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ABSTRACT

Presented are the results of a 2-year study on achievement patterns in 917 educable mentally retarded (EMR) children (8.0 to 19.11 years old) in the district run classes throughout Montgomery County, Pennsylvania. Described are the student participants, as well as the teachers and districts from which they came. Also discussed are the test devices (certain levels of the Stanford Early School Achievement Test and Stanford Achievement Test) and testing procedures used. It is noted that selection of test levels was done on a current-level-of-functioning basis rather than on chronological age (an approach known as out-of-level testing). Sections also cover the item analysis framework, sampling, raw data results, interpretation of results for each year, and discussion and recommendations. Noted among findings is that teachers of EMR children were fairly accurate judges of the current functioning levels of their students. The bulk of the document consists of appendixes which include correspondence, raw data results, and selected responses to the evaluation form. (SBH)

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THE ACADEMIC PERFORMANCE OF THE EDUCABLE MENTALLY RETARDED STUDENTS ON THE STANFORD ACHIEVEMENT TEST:

DETAILED ITEM ANALYSES ON REPRESENTATIVE SAMPLING, OUT-OF-LEVEL TESTING, AND MASTERY INTERPRETATION

by

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TABLE OF CONTENTS

Vol. 1 of 2

1. Abstract iv

2. Acknowledgements vi

3. Preface vii

4. Introduction 1

5. Purposes 3

6. Students and Teachers 5

7. Instrumentation 11

8. Testing Procedures 12

9. Item Analysis Framework 15

10. Sampling 16

11. Raw Data Results 18

12. Interpretation of Results: Spring, 1975 19

13. Interpretation of Results: Spring, 1976 25

14. Discussion and Recommendations 40

15. References 41

16. Appendices:

A. Participating School Districts in First Year of Study. 42

B. Initial First-Year Correspondence with Districts 43

C. Initial First-Year Correspondence with Districts:
Designation of District Contact Persons 55

D. Participating Districts in Second Year of Study 57

Table of Contents - Vol. 1 of 2 (Continued)

16. Appendices (cont'd)

E. Initial Second-Year Correspondence to Participating Districts 58

F. Subtest Names of Stanford Series 65

G. Second Method of Item Analysis: Arbitrary Subdivision of Subtests Content Area 69

H. Numbers of Children Sampled During 1975-1976 School Year (Posttest Only) 99

I. Raw Data Results: Item Difficulty Levels (Spring, 1975)101

J. Raw Data Results: Arbitrary Content Subdivision (Spring, 1975) 164

K. Raw Data Results: Item Difficulty Levels (Spring, 1976) 230

Vol. 2 of 2

K. Raw Data Results: Item Difficulty Levels (Spring, 1976) 294

L. Raw Data Results: Arbitrary Content Subdivision (Spring, 1976) 324

M. Spring, 1975 Teacher Evaluation Form 595

N. Selected Responses of District Staff to 1974-1975 Evaluation Form 598

ABSTRACT

During the 1974-1975 and 1975-1976 a cooperative project was undertaken with several of the 21 constituent school districts within the Montgomery County (Pa.) area. It was decided to asses the strengths, weaknesses, and patterns of growth on a standardized achievement battery of tests: 1969-1970 Stanford Early School Achievement Test and the 1972 Stanford Achievement Test. The children were educable mentally retarded so that selection of the levels of tests had to be done on a current-level-of-functioning basis rather than on chronological age. In effect, what was carried out was the testing concept known as "out-of-level testing". During the first year 475 students were involved, while the second year embodied 442 students. The majority of students were in the chronological age ranges between 8.0 and 19.11.

A random sample of each year's students was selected to undergo detailed item analysis of degree of mastery on each item within each test level. Some major results that emerged for the spring, 1975, sampling were difficulties on SESAT-2 in Aural Comprehension (abilities to interpret and to retain) and Sentence Reading (subject, subject and number, number and tense, and tense). On SAT-P1, problems were found for Mathematics Concepts (counting tasks). On SAT-P3, Word Study Skills gave unusual problems (beginning, ending, and medial sounds), Mathematics Computation (Division), Language: Part A (punctuation and complete sentences with phrases). On SAT- I1, difficulty was found for Vocabulary (nouns), Word Study Skills (structural analysis), Mathematics Concepts (all areas),

Mathematics Computation: Part A (division), Spelling: Part B (detecting misspelled words in complex settings), Language: Part B (complete sentences with phrases), Language: Part C (complete sentences with words).

The sampling results for the spring, 1976, phase were far more involved in that age groups (elementary, junior, senior) also were used to qualify the results. No concise summary can be given here.

Basic conclusions for this out-of-level testing project are that teachers of EMR children were apparently fairly accurate judges of the current functioning levels of their students in that most subareas of each level's subtests exhibited "moderate" (51 to 75%) to "good" (76-100%) mastery. However, there is still the difficulty of how well articulated the various levels of the Stanford are for the concept of out-of-level testing, whereby one is really interested in a type of wide-range achievement test to cover all areas.

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The Intermediate Unit wishes to thank the several district teachers of educable mentally retarded children who contributed of their tiem and effort to undertake this effort with the Intermediate. The contact people at each of the cooperating districts have also been of great help in implementing the project. In particular we wish to thank:

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Perkiomen Valley School District	Mr. Robert W. Cope
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Spring-Ford School District	Mr. Theodore J. Goldberg
Upper Dublin School District	Mrs. Letty Jane Schantz
Upper Merion School District	Mr. Frank Wright
Upper Moreland School District	Mr. Joseph F. Wesley
Upper Perkiomen School District	Mr. James Mullen
Wissahickon School District	Mr. George W. Byrne

PREFACE

The study described in this document is the collaborative effort of many different individuals in the public schools of Montgomery County, Pennsylvania and the support staff of the Intermediate Unit in that county. We began offering the free group testing service for the 1974-1975 school year in the hopes that we would learn more about the nature of the academic functioning of different levels of educable mentally retarded children in a standardized testing fashion. While we recognize that the instrument used to carry out this study was never devised for the population on which we have employed it, nontheless valuable feedback on both the testing procedure itself and the actual performances by the children on that instrument, have been quite beneficial to us. It is out sincere hope that the feedback provided to you from this program through documents such as the present one will be similarily stimulating to your thinking on the nature of your EMR children's strengths and weaknesses, as well as the techniques that are used to assess such capabilities. This report will be supplemented by two other major documents; one on the vocational strengths and weaknesses of EMR children on the secondary level and one on generalized trends within the overall subtest patterns of the EMR children, (that is, analysis of the same data on the present report but aggregated across all children who took a given subtest of a given level). When the latter two reports are issued, it is the intention of the writers that the present content be pitted against the lessons that can be learned from the two latter documents to provide maximum benefit from this comprehensive EMR assessment project.

INTRODUCTION

In spring and early summer, 1974, the Intermediate Unit made a decision to try out in a pilot fashion the group standardized achievement test with the population of educable mentally retarded throughout the county of Montgomery. In the case of some individual school districts within Montgomery County, certain types of standardized achievement tests had already been used in this fashion; however, as a rule the EMR children have suffered from what could be termed test deprivation. In the minds of most educators, EMR children are supposedly unable to proceed through a rigorous routine as is embodied in a formal standardized testing situation. Further, it has been thought that the group administration mode of testing is inappropriate to children who have deliberately been placed into programs where individualization is the standard procedure. In an attempt to study the truth or lack thereof of such assumptions, the study described in the present document was decided upon at that point in 1974. A great deal of thought and preparation went into how such a widespread and logistically complicated approach could be implemented. Intensive in-service training was offered to the participating district-employed EMR teachers so as to ensure comparability of data as much as was practically possible.

The present document contains the results of the two-year study on achievement patterns in educable mentally retarded children in the district-run classes throughout Montgomery County, Pennsylvania. The first year of the study was held during the course of the 1974-1975 school year, and the succeeding school year completed the study. It was felt that no more than two years of such a study were necessary to learn the lessons that have been gleaned from so large an effort. To carry this study into a third year would have been redundant and wastefui of staff time.

As one can see from the table of contents, this report is divided into the usual sections for presenting the results of any study, albeit in this case the study was considered to be of an applied nature and not a research project. The report will proceed into a description of the students who participated in this study, as well as the teachers and districts from which they came. Then, a brief description of the test devices used in this two-year study will be given. The testing procedures that were used consistently throughout the two years of the study will also be described in detail so that the reader will understand what exactly was done and any modifications that were made to accomodate the peculiarities of this particular population of students. The raw data results will be presented with a large amount of tabular documentation so that the reader can deduce patterns of performance for himself if he wishes to do so independently of what we have interpreted from the same data source. The interpretation of these results will be presented near the conclusion of the document. Finally, the recommendations of the writers will be presented so that others may gather what might appear to be the best course of action in this area of functioning. With such an organizational plan in mind for this document, the writers will proceed to lay out before the reader the details of what has been a most interesting and profitable project from the Intermediate Unit's standpoint.

PURPOSES

The measurement philosophy of the Montgomery County Intermediate Unit has always been one of attempting to build criterion-referenced measurement (CRM) systems wherever possible (see Proger, 1971; Proger, Mann, Burger, & Cross, 1972; Proger & Mann, 1973a; Proger & Mann, 1973b).

The measurement efforts of the Intermediate Unit for about 1970 onward have been substantial in the CRM area. It has been felt that only by building CRM systems customized to the specific content and objectives of a program in question can validity and utility of data be achieved. However, the tremendous amount of staff development time and effort that are required to produce appropriate CRM systems often force educators to fall back on the more traditional, standardized tests that are readily available.

One of the purposes of the present project was to learn how well EMR students can perform on a standardized achievement test in terms of the response format that was required, the time limits, the constricted visual displays, and so on. Another purpose was to examine the achievement patterns that result at any one point in time. A third purpose was to examine the degree of growth across time during a given school year. The overall goal behind all three purposes was to obtain a better understanding of the functioning of EMR children in Montgomery County schools on the parts of district teachers, district administrators, Intermediate Unit supervisors, and Intermediate Unit administrators. Hopefully, such knowledge will assist all four groups of personnel in helping to program more appropriately for EMR students. By looking at the strengths and weaknesses among the various academic competency areas, the above frou groups of school personnel should be able to see new directions in which they wish to carry their emphasis in individual child programing, new areas of in-service training, areas in which student materials should be re-examined, and so on.

STUDENTS AND TEACHERS

First Year: For the first year of the study, a total of 67 classes from 15 districts participated (see Appendix A for a list of participating districts). Virtually all students in the participating classes were involved. During the two years of the EMR testing project the organization of EMR classes in Montgomery County Intermediate Unit was such that only the 21 separate school districts were involved in directly employing the EMR teachers and in directly running the classes on a daily basis; the Intermediate Unit at that time was involved only in providing supervision and consultation. During the summer of 1974, letters of invitation were sent to all 21 public school districts in Montgomery County to ascertain their interest in participating (see Appendix B). For those superintendents who elected to have their EMR teachers involved, followup correspondence was sent and a local contact person for purposes of the testing program was designated (see Appendix C); in most cases, this contact person was the Assistant Superintendent in charge of Pupil Personnel Services or the Director of Special Education in that district.

In Fall, 1974, the participating EMR teachers were invited to one of two in-service sessions scheduled for the purpose of acquainting them to the new (1972) edition of the Stanford Achievement Test. Apart from the newness of the SATs themselves, the teachers needed to have additional background preparation on the typical problems that were bound to arise as they attempted to apply to EMR students a test that was never designed for them. Such matters involved time limits, sample items, practice tests, elaboration upon test directions, coordination of several levels of test administration at once, assignment of appropriate test level to a student, and so on. More will be said about these matters in the latter section on "Testing Procedures".

Basically, the 475 students involved in the first-year study included all age levels. The usual delineation made among the EMR students was elementary (29 classes) and secondary (38 classes). Essentially, however, all classes were ungraded. Because of this situation, it is easy to see how difficulty arises when one tries to arrange results of such a testing study in a coherent way, with students of any given age level taking tests ranging from kindergarten through junior high school, depending upon their entry levels of functioning. Table 1 contains the number of students involved in the Spring, 1975, phase of the study by sex and by age, while Table 2 contains a distribution of students in terms of age, test, and grade. Some students were missing various types of data, and this is reflected in the discrepancies between the two tables.

Second Year: Out of the first year's study with 67 classes, a total of 63 classes elected to contine with the second year of EMR testing. (The program at all times was voluntary, with the Intermediate Unit providing the test booklets, manual scoring services, and supervision throughout the two years.) In terms of individual students involved in the second year of the study, a total of 442 were tested. (see Appendix D for a list of participating districts and Appendix E for start-of-the-year correspondence). Tables 3 and 4 contain statistics on the study's second year students similar to that presented for the first year.

TABLE 1

DESCRIPTIVE STATISTICS:
STUDENTS IN SPRING, 1975, PHASE

LEVEL OF TEST	MALES		FEMALES	
	Number	Average Age	Number	Average Age
SESAT II	45	12	29	10
PRIMARY I	94	14	72	15
PRIMARY III	88	18	79	16
INTERMEDIATE I	19	19	17	18

TABLE 2

GENERAL DISTRIBUTION STATISTICS

SPRING, 1975 POSTTEST (N=475)

SEX		GRADE		TEST		AGE	
M	F	Level	No.	Level	No.	Band	No.
255	220	5	7	Early-2	74	6.0-6.11	4
		6	11	P-1	175	7.0-7.11	7
		7	35	P-3	189	8.0-8.11	22
		8	50	I-1	35	9.0-9.11	18
		9	47			10.0-10.11	20
		10	40			11.0-11.11	34
		11	54			12.0-12.11	35
		12	44			13.0-13.11	55
						14.0-14.11	54
						15.0-15.11	45
						16.0-16.11	35
						17.0-17.11	54
						18.0-18.11	35
						19.0-19.11	8
						20.0-20.11	4
						21.0-21.11	1
475		288		473		431	

TABLE 3

DESCRIPTIVE STATISTICS:

STUDENTS IN SPRING, 1976, PHASE

LEVEL OF TEST	MALES		FEMALES	
	Number	Average Age	Number	Average Age
SESAT I	19	8.6	9	10.0
SESAT II	26	23.1	15	9.0
PRIMARY I	69	13.9	54	13.8
PRIMARY II	37	15.3	41	14.6
PRIMARY III	59	16.5	53	16.5
INTERMEDIATE I	16	17.4	13	17.2
INTERMEDIATE II	10	16.6	7	15.9

TABLE 4

GENERAL DISTRIBUTION STATISTICS

SPRING, 1976, POSTTEST (N = 442)

SEX		GRADE		TEST		AGE	
M	F	Level	No.	Level	No.	Band	No.
239	203	5	1	Early I	28	6.0-6.11	1
		6	0	Early II	41	7.0-7.11	8
		7	12	P I	124	8.0-8.11	16
		8	41	P II	78	9.0-9.11	24
		9	38	P III	122	10.0-10.11	21
		10	39	I 1	30	11.0-11.11	31
		11	46	I 2	19	12.0-12.11	25
		12	57			13.0-13.11	45
						14.0-14.11	44
						15.0-15.11	44
						16.0-16.11	65
						17.0-17.11	45
						18.0-18.11	37
						19.0-19.11	20
442		233		442		426	

INSTRUMENTATION

First Year: During the 1974-1975 school year, the Intermediate Unit began operation of this free testing service to its constituent districts. However, because of the newness surrounding this test material allocation, only certain levels of the Stanford Achievement Test were purchased for use in this program: Stanford Early School Achievement Test, Level II (SESAT-2); Stanford Achievement Test, Primary Level I (SAT-P1); Stanford Achievement Test, Primary Level III (SAT-P3); and Stanford Achievement Test, Intermediate Level I (SAT-I1). SESAT-2 was of the 1969-1970 SESAT series edition, while SAT-P1, SAT-P3, and SAT-I1 were of the 1972 SAT series edition; in effect, the most recent editions of the two series were used.

Second Year: The selection of the above range of levels was thought to be an adequate breadth for placing any EMR child at an appropriate starting point for testing purposes during the 1974-1975 school year, especially in view of the fact that each level of the SESAT and SAT is a type of "wide range" achievement test. Nonetheless, the participating teachers desired more flexibility in choosing their instruments. Thus, for the 1975-1976 school year the free EMR testing service to districts added all other levels of the SESAT/SAT series, up to and including SAT-I2. (see Appendix F for a list of all SESAT/SAT test levels, their corresponding grade level of functioning, and their corresponding subtest components)

TESTING PROCEDURES

First Year: Because the majority of EMR teachers had not previously exposed their EMR students to a comprehensive achievement battery such as SESAT/SAT, it was first considered necessary to provide training for the teachers. To accomodate the varying schedules of such a large group of teachers (62), the half-day training sessions were held on two different occasions: Monday night, September 23, 1974, and Saturday morning, September 21, 1974. For their participation, each teacher was paid $18. At both occasions Mr. Reilly and Dr. Proger jointly carried out the training.

One of the topics covered was the selection by the teacher of the appropriate test level in which to begin a given child. The teachers were instructed to consider primarily the two areas of instructional reading level and mathematics ability. If the child was performing approximately about the same in both areas, the teacher was instructed to choose the SESAT or SAT test level that best fit those two areas of functioning and to assume that all other subtest abilities would be measured in an appropriate fashion. If, on the other hand, there was a discrepancy between a child's functioning levels in reading and in mathematics, then the EMR teacher was instructed to choose an approximate mid-point of functioning, between them and to then choose the SESAT or SAT test level that most closely fit that "mid-point" functioning level; in no case was the teacher to use a portion of one SESAT/SAT level in the reading-related areas and to use a portion of another SESAT/SAT level for the remaining subtests.

For the fall testing of each of the two years of the free EMR testing service, the teachers were to use Form A of the SAT levels (of course, since there is only one form of the two SESAT levels, there was no choice to make in those particular situations). In spring, Form B was to be used. Any given child had to receive in spring of the year the same level of test in which he had been placed during the start of that school year in fall.

Time limits were to be strictly enforced; the teacher was to write down either on the blackboard or in some other convenient place when she started a given subtest.

Directions to the students on any subtest were to be initially read verbatim. However, consistent with normal SAT testing procedures, the teachers were told that they could then restate the instructions so as to put them in terms more understandable by the EMR students.

In terms of sample items and practice test items, the first line of attack was to use the readily available exercises. That is, the teachers first used the Practice Tests that were commercially available in the SAT series (but not so in the SESAT series) prior to beginning any formal testing with the SESAT/SAT booklets. Then, when the actual SESAT or SAT test booklets were begun, the teacher followed the usual directions and used the sample items at the start of each subtest; the teacher often put these items on the blackboard and if sufficient understanding at that time was still not present in her EMR students, she gave additional sample items totally different from anything in the actual tests themselves.

Another problem discussed in the teacher training sessions was the need to give more than one level of the SESAT/SAT test series to children in any given class. Because each class technically is ungraded, the functioning levels of the EMR students often varies widely in a single class. This situation posed a logistical situation in terms of how to handle the many verbal and paper-and-pencil test administration duties at one time. Two options were posed to the teachers. First, they could administer only one subtest from one test level at a time. Second, they could administer two or more subtests at a sitting if they staggered the starting times so as to allow sufficient time to address each subgroup of EMR students with their respective test instructions. The time limits on each separate subtest would have to be separately recorded.

ITEM ANALYSIS FRAMEWORK

Two different levels of descriptive, informal item analyses were conducted. First, the actual difficulty levels (percent of students passing the item) for each individual item were computed for the spring, 1975, posttest and for the spring, 1976, posttest. Second, the items at each level of the SESAT/SAT series were arbitrarily categorized into content subareas (e.g., the Environment subtest of SESAT-1 was subdivided into Close Personal Surroundings and into Natural Surroundings); it was hoped that the latter effort would make the overall results easier to comprehend and to allow better communication in the future. The second method of item analysis is elaborated upon in Appendix G ; the arbitrary subdivisions within each test level are given for each subtest. Both levels of descriptive item analysis were conducted only on the randomly sampled students from the spring, 1975, posttest and the spring, 1976, posttest.

SAMPLING

Because the type of item analysis procedures followed in this study demanded intensive tabulation efforts manually (data at the item/student level were never originally retrieved in a format suitable for computer analysis), some type of sampling was clearly called for. One also had the further complicating factor that any given classroom was ungraded and thus had need for several different levels of the test battery in use to cover the range of functioning levels of performance; moreover, within each of these different test levels within a given classroom, one had a wide variation of chronological age (the classes are constructed as best as can be achieved on the basis of global age -- either elementary or secondary -- and in terms of broad functioning levels). Two different sampling plans were used, depending upon the year of the study.

Spring, 1975: From each of the 67 classrooms that participated during the 1974-1975 school year, a child was randomly selected (using the Rand tables) at each level of the SESAT/SAT test series from all children within that classroom who had taken that test level. Thus, if a classroom had made use during posttesting of the SESAT-2, P1, and P-3, a child from each of those levels would have been randomly selected (a separate randomization would have been performed for each of these three levels). If on the other hand all children in a classroom took SAT-P3, then only one child would have been randomly selected. Every classroom in every district was randomly represented at each test level, wherever any child at all was present. Of the 15 districts out of 21 which participated from Montgomery County during the 1974-1975 school year, 13 had made use of SESAT - 2 (total of 34 sampled children), 14 had made use of SAT - P1 (total of 55 sampled children), 14 had made use of SAT - P3 (total of 41 sampled children), and 7 had made use of SAT - I1 (total of 10 sampled children). Thus, in terms of the first-year posttests that were sampled, a total of 140 children out of a grand total of 475 were represented in the present item analysis study.

Spring, 1976: Because of the lack of control on the variable of chronological age during the 1974-1975 study, the random sampling used with the posttesting data of 1975-1976 embodied stratification not only according to what level of test was present in a classroom but also what age groups were taking that test level. Age was stratified inot three levels (elementary, junior, and senior) in accord with state guidelines.

Instead of sampling from every classroom as in the first year of the study, all 33 classrooms were pooled and only age-by-test-level stratification was carried out with the Rand tables in the random sampling process. Appendix H shows the actual number of children sampled. An attempt was made from across all classrooms to obtain 4 children at each age-by-test-level combination; wherever the number given in Appendix H is less than 4, the actual total number of children who were in that category was less than 4 itself, and thus only those available in that category could be used in the sample.

RAW DATA RESULTS

Spring, 1975: The first method of descriptive item analysis results is presented in Appendix I. As one can see, the difficulty levels for each item in the test levels given (SESAT-2, SAT-P1, SAT-P3, and SAT-I1) are tabulated; the reader should have available copies of the SESAT/SAT test manuals and test booklets to understand the differences in difficulty levels among the items (copyright restrictions prohibit the printing of these item descriptions in the current document). For ease of interpretation, the difficulty levels found in the normal standardization sample used by the test publishers is also included in these raw data results.

The second method of descriptive item analysis is presented in Appendix J. Here one has the item difficulties recategorized in a more general fashion into the arbitrary content subdivisions, without any differentiation of age levels. More will be said about these raw data results in the next section on "Interpretation of Results".

Spring, 1976: The first method of descriptive item analysis is presented in Appendix K. The second method is contained in Appendix L. In the latter case, one has not only the embodiment of the arbitrary content subdivisions but also the inclusion of an age factor (elementary, junior, and senior), unlike the spring, 1975, raw data results.

INTERPRETATION OF RESULTS: SPRING, 1975

Generally, the reader will be left to deduce on his own the patterns of strengths and weaknesses in the raw data results by referring back and forth among Appendices I and J. However, some highlights and other miscellaneous observations will be offered here. It must be remembered that for the spring, 1975, results, no age stratification was built in, such as dividing the children into elementary and secondary; the results discussed below are for a sample of all students combined across the ages. The interpretation of such results will be given separately for each SESAT/SAT test level. The difficulty levels (% of students correctly answering items) has been redesignated as "Poor" (0-25%), "Fair" (26-50%), "Moderate" (51-75%), and "Good" (76-100%).

SESAT-2: For the arbitrary subdivisions of the Environment subtest (Personal Surroundings, Natural, and Animal), strengths were generally exhibited. For the Mathematics subtest, the arbitrary subdivisions of Measurement, Counting, and Addition were for the most part competently handled at the "Good" level, but there was a noticeable difference in mastery in the subtraction area, where performance hovered in the "Moderate" range. Virtually no difficulty at all was exhibited in subtest on letters and sounds, which was arbitrarily divided into Recognizing Upper and Lower Case Letters and into Beginning Sounds. However, when one turns to the more reading-oriented subtests (Aural Comprehension, Word Reading, and Sentence Reading), difficulties in certain arbitrary subdivisions of the tests begin to emerge. In Aural Comprehension, both the abilities to Interpret and simply to Retain showed some difficulty, although there was a spread of performance into the higher mastery ranges. In Word Reading, the EMR students generally had little difficulty in this area. However, in Sentence Reading, all arbitrary subdivisions showed a relatively low degree of mastery (Subject, Subject and Number, Number and Tense, and Tense).

SAT-P1: In dealing with the definitions reflected in the Vocabulary subtest, relatively little difficulty was encountered; the arbitrary subdivisions of Nouns, Verbs, and Adjectives and Adverbs revealed "Moderate" to "Good" mastery on the vast majority of items. In the subtest of Reading: Part A, the EMR students possessed surprisingly "Good" mastery on both the arbitrary subdivisions of Main Idea and Secondary Idea, with only a "Moderate" degree of difficulty in the action area. In the focus upon parts of speech in the subtest of Reading: Part B, generally "Good" competency was exhibited by the EMR students in Nouns and Verbs, with only somewhat more ("Moderate") difficulty in the area of adjectives and adverbs. The subtest of Word Study Skills revealed a high degree of mastery in almost all arbitrary subdivision areas (Sight Words, Initial Consonants, Final Consonants, Initial Consonant Clusters, and Final Consonant Clusters); the single exception where some degree of difficulty was experienced was Final Vowel Clusters. On the subtest of Mathematics Concepts, the area of Measurement showed "Moderate" to "Good" mastery, but the kinds of Counting tasks presented to the EMR students gave them a "Fair" degree of difficulty. In the areas of both addition and subtraction under the subtest of Mathematics Computation and Applications, a "Moderate" to "Good" degree of mastery was present, with no pattern differences detectable between the two computational subareas. Finally, in the subtest of Listening Comprehension, mostly, "Moderate" competency was found.

SAT-P3: On the Vocabulary subtest, the arbitrary subdivisions of

Nouns and Verbs revealed relatively "Good" mastery, with Adjectives and Adverbs posing the most (although not severe) difficulty. Reading Comprehension was generally "Moderate" to "Good", with the last 20 items of the total of 70 exercises posing the most difficulty ("Fair" to "Moderate"). The three Word Study Skills subtests (Part A, Part B, and Part C) posed an unusual degree of difficulty for EMR children in the respective areas of beginning, ending, and medial sounds. Those children who were assigned to SAT-P3 also experienced great difficulty throughout the arbitrary subdivisions of the Mathematics Concepts subtest (Counting, Addition, Multiplication, Measurement, and Subtraction). On the other hand, when one turns to the more routine computational aspects, the EMR children fared better. In the subtest on Mathematics Computation: Part A, generally "Moderate" performance was shown on most areas (Addition, Subtraction, and Multiplication); the exception was Division, where the students had a "Fair" to "Moderate" degree of difficulty. For the most part, the Mathematics Computation: Part B subtest revealed even better performance, fluctuating between "Moderate" and "Good" (Addition, Subtraction, Division, and Multiplication). In the Mathematics Applications subtest, two patterns of mastery were exhibited. First, the arbitrary divisions of Subtraction, Addition, Multiplication, and Division were in the "Moderate" range of competence. Second, a split in performance between "Fair" and "Good" (with nothing in between them at the "Moderate" level) was found for the combination Addition/Subtraction exercises, Counting, and Measurement. The Spelling subtest generally showed "Moderate" to "Good" performance. In the subtest on Language: Part A, certain arbitrary subdivisions had a range of performance from "Fair" to "Good", with the bulk of the items falling in the "Moderate" to "Good" end of the spectrum (Capitalization, Contraction, Part of Speech, and Tense); on the other hand, a range of "Poor" to "Moderate", with most items in the "Poor" to "Fair" area, was found for Punctuation and Complete Sentence. When one turns to the Language: Part B subtest, a slightly higher degree of performance was found in that the range was not as great and was concentrated for the most part in the "Moderate" to "Good" end of the spectrum (Verb, Noun, Connection, Adjective, and Phrases); the lone exception was the single item for adverb, which revealed only "Fair" mastery. On the Social Science subtest, mostly "Moderate" competency was exhibited on the arbitrary subdivision of History, Government, and Economics; with Georgraphy the EMR children had slightly more difficulty, with most of the items concentrated in the "Fair" to "Moderate" range of performance. Of the four arbitrary subdivisions of the Science subtest, two showed "Fair" to "Moderate" mastery (Biology and Chemistry), one had primarily "Fair" performance (Physics), and one ranged all the way from "Poor" to "Good" (Astronomy). Finally, the Listening Comprehension subtest showed the bulk of items falling into the "Fair" to "Moderate" range, with as one would expect the earlier items on the "Moderate" to "Good" end and the later items on the "Poor" to "Fair" end of the spectrum.

SAT-II: On the vocabulary subtest, the performance on all three arbitrary subdivisions (Nouns, Verbs, and Adjectives/Adverbs) ranged from "Fair" to "Good". However, among those areas, it is clear that Nouns posed the greatest degree of difficulty (mostly "Fair" mastery), with verbs next most difficulty (mostly "Moderate"), and Adjectives/Adverbs easiest (mostly "Good"). The Reading Comprehension subtest produced the entire range of mastery, with relatively few entries in the "Poor" category and the bulk of performance distributed almost evenly among "Fair", "Moderate", and "Good". It can be noted that item number and degree of mastery are clearly related in a negative correlation fashion, a reflection perhaps of the items having been prearranged in terms of increasing difficulty for normal children. For the subtest of Word Study Skills, the two subdivisions of Phonetic Analysis and Structural Analysis both had almost even distributions of performance across the "Fair" to "Good" range, with Structural Analysis having relatively higher difficulty. All arbitrary subdivisions of Mathematics Concepts had "Fair" degrees of difficulty (Counting, Addition, Multiplication, Subtraction, Measurement, Fractions, and Division). The performance on the Mathematics Computation: Part A subtest hovered at the "moderate" level (Addition, Multiplication, and Subtraction), the exception being Division (mostly "Fair"mastery). The Mathematics Computation: Part B generally exhibited higher mastery than was present on its Part A counterparts; Addition was apparently the easiest for these sampled EMR children ("Moderate" to "Good"), with Subtraction next easiest ("Moderate"); Division and Multiplication showed similar mastery levels of "Fair" to "Moderate". In the Mathematics Applications subtest, the students demonstrated highest mastery ("Good") in addition, although there was a similarly high number of items at the "Fair" level; the other arbitrary subdivisions of the subtest were in the "Fair" to "Moderate" range (Subtraction, Multiplication, Division, and Measurement). For the subtest Spelling: Part A, the EMR children showed exceptionally "Good" performance on these misspelled words in phrases. However, on the subtest Spelling: Part B, the students experienced considerably more difficulty, with the bulk of items falling in the "Fair" to "Moderate" categories, indicating that they had difficulty in detecting misspelled words in more complex settings. On the Language: Part A subtest, generally weak performance was observed on all arbitrary subdivisions, although Capitalization and Tense provided a broad scatter of mastery, at times ranging up to the "Good" level; however, the EMR children had considerable difficulty with Punctuation, Contraction, and Parts of Speech. On the Language: Part B subtest, the students experienced much trouble in attempting to complete sentences with phrases. ("Poor" to "Fair" performance). On the Language: Part C subtest, the children had somewhat less difficulty in just completing sentences with words (mostly "Fair" mastery). On the Language: Part D subtest, the children performed even better than on Parts B and C when they were now asked to determine which answer best fit questions (mostly "Fair" to "Moderate" performance).

INTERPRETATION OF RESULTS: SPRING, 1976

Because of the complexity of the raw data results for spring, 1976 (several test levels, subtests within test levels, arbitrary subdivisions within subtests, and three age groups), the interpretation of results will be presented in concise tabular form rather than in extensive verbal form. A separate table is presented for each test level (SESAT-1, SESAT-2, SAT-P1, SAT-P2, SAT-P3, SAT-I1, SAT-I2). The format of each table is self-explanatory, with the exception of the performance codes: P denotes "Poor", F denotes "Fair", M denotes "Moderate", and G denotes "Good". By referring to each of the tables, one can infer patterns about performance across age levels, across subdivisions and subtests within age levels, and across test levels themselves. No more will be said here.

TABLE 5

1975-1976 POSTTEST PERFORMANCE PATTERNS: SESAT-1

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Environment	Close Personal Surroundings	M	G	-
	Natural	M	G	-
Mathematics	Measurement	P-F	G	-
	Counting	F	P, G	-
	Recognizing Numbers	G	P, G	-
	Volume	F	P, G	-
Letters and Sounds	Recognizing Upper and Lower Case Letters	G	G	-
	Beginning Sounds	M-G	P, G	-
Aural Comprehension	Interpret	M	G	-
	Retain	F-M	P, G	-

TABLE 6

1975-1976 POSTTEST PERFORMANCE PATTERNS: SESAT-2

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Environment	Personal Surroundings	F	M-G	P, G
	Natural	F	G	G
	Animals	F	M-G	P, G
Mathematics	Measurement	F-M	G	P, G
	Counting	P, G	M	P, G
	Addition	P-F	M-G	P, G
	Subtraction	P-F	M	P
Letters and Sounds	Recognizing Upper & Lower Case Letters	G	G	G
	Beginning Sounds	M-G	M-G	P, G
Aural Comprehension	Interpret	F-M	M-G	G
	Retain	F-M	M-G	P, G
Word Reading	Choice of Identity	F-M	M	P, G
Sentence Reading	Subject	M	P-F	P
	Subject and Number	F-M	F	P
	Number and Tense	F	P, M	P
	Tense	P-F	F	P

TABLE 7

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-P1

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Vocabulary	Nouns	G	G	-
	Verbs	P-F	M	-
	Adjectives and Adverbs	M	M-G	-
Reading: Part A	Main Idea	M	G	M-G
	Secondary Idea	M	M-G	F-M
	Action	M	M-G	F, G
Reading: Part B	Nouns	M	M-G	M
	Verbs	M	G	F-M
	Adjectives and Adverbs	F-M	M-G	M
Word Study Skills	Sight Words	M-G	M-G	M-G
	Initial Consonant	G	G	G
	Initial Consonant Cluster	G	M-G	M-G
	Final Consonant	M-G	G	G
	Final Consonant Cluster	M-G	G	M-G
	Final Vowel Cluster	M	M-G	F-M
Mathematics Concepts	Measurement	M-G	M	M-G
	Counting	P-F, M-G	M	M

TABLE 7 (cont'd)

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-P1

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Mathematics Computation and Applications	Addition	M-G	M-G	M
	Subtraction	M	M	M
Listening Comprehension	Multiple Choice	F-M	M	-

TABLE 8

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-P2

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Vocabulary	Nouns	P-F, G	F-M	P, G
	Verbs	P, M-G	M-G	G
	Adjectives and Adverbs	P-F	F	P, G
Reading: Part A	Main Idea	G	M-G	M
	Secondary Idea	F-M	M	F-M
	Action	F-M	P, M	P-F
Reading: Part B	Nouns	M	F-M	F-M
	Verbs	F-M	F	F-M
	Adjectives and Adverbs	F-M	F-M	F
Word Study Skills: Part A	Initial Consonant Cluster	G	G	M-G
	Final Consonant Cluster	M-G	M-G	M
	Final Vowel Cluster	M-G	M	M
Word Study Skills: Part B	Multiple-Choice	F-M	F-M	P-F
Mathematics Concepts	Counting	F-M	M-G	M
	Measurement	F	M-G	F-M
	Addition	P, M	F-M	P
	Subtraction	P	P	P

TABLE 8 (cont'd)

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-P2

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Mathematics Computation	Addition	M	M-G	F, G
	Subtraction	P, M-G	F-M	P-F
	Multiplication	F	F-M	F
Mathematics Applications	Addition	F	M-G	P, G
	Subtraction	P	M	P, M
	Multiplication	P-F	M	F, G
	Subtraction and Addition Combined	P	M	P-F
	Counting Money	F	M-G	F
	Measuring	P	F	F
Spelling	--	M	M-G	P, G
Social Science	History	M	F, G	F
	Government	F, G	M	P-F, G
	Economics	M	M	F
	Geography	--	M	F, G
Science	Biology	F-M	P-F,M-G	F, G
	Chemistry	P, M-G	M-G	P-F, G
	Physics	F-M	M	P-F
Listening Comprehension	Comprehension of Spoken Communication	F	F-M	P, G

TABLE 9

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-P3

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Vocabulary	Nouns	F	F, G	F, G
	Verbs	P-F	P-F, G	F, G
	Adjectives and Adverbs	P-F	P-F, G	F, G
Reading Comprehension		F-M	F-M	M
Word Study Skills: Part A	Beginning Sounds	F-M	F-M	F-M
Word Study Skills: Part B	Ending Sounds	M	F-M	P-F
Word Study Skills: Part C	Medial Sounds	F-M	P-F	-
Mathematics Concepts	Counting	P-F	F-M	M-G
	Addition	F	F-M	M
	Multiplication	P,M	M-G	M-G
	Measurement	P-F	F	F
	Subtraction	P, G	P, G	P
Mathematics Computation: Part A	Addition	F-M	M	G
	Subtraction	M	M	G
	Multiplication	P	M	M
	Division	P-F	P-F	M
Mathematics Computation: Part B	Addition	P-F	F, G	M-G

TABLE 9 (cont'd)

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-P3

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
	Subtraction	F	G	F, G
	Division	P	P-F	F-M
	Multiplication	F	P, G	G
Mathematics Applications	Subtraction	P	F, G	G
	Addition	F-M	P-F, G	M
	Multiplication	P	F	M
	Counting	P	G	M
	Division	P, G	M	G
	Measurement	P	P	P, M
	Subtraction and Additions	P	F-M	F-M
Spelling	-	F-M	-	P-F, G
Language: Part A	Capitalization	P, M	P-F, G	P-F, G
	Punctuation	P	P-F	F
	Complete Sentence	P	F	F
	Contractions	P	P-F	F, G
	Part of Speech	F-M	F	F, G
	Tense	F	P-F, G	F, G
Language: Part B	Verb	F-M	F, G	F, G
	Nouns	F-M	G	F, G
	Connections	P	F, G	G

TABLE 9 (cont'd)

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-P3

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
	Adjectives	F	G	G
	Adverbs	F	F	F
	Phrases	P	F	M-G
Social Science	Geography	P-F	G	G
	History	F-M	P, G	F, G
	Government	P-F, G	P, G	G
	Economics	P-F	P, G	G
Science	Biology	F	P, G	P-F, G
	Astronomy	F-M	P, G	G
	Physics	P-F	P, G	F, G
	Chemistry	P-F	P	F, G
Listening Comprehension	Comprehension of Spoken Communication	F	P, G	P-F, G

TABLE 10

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-I1

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Vocabulary	Nouns	-	F-M	M
	Verbs	-	F	M
	Adjectives and Adverbs	-	F-M	M-G
Reading Comprehension	-	-	F-M	M
Word Study: Part A	Phonetic Analysis	-	F-M	F
Word Study: Part B	Structural Analysis	-	F-M	F-M
Mathematics Concepts	Counting	-	M	M
	Addition	-	M	P, M
	Multiplication	-	F, G	P-F
	Subtraction	-	F	F
	Measurement	-	P-F,M-G	F-M
	Fractions	-	F	F
	Division	-	P	P,M
Mathematics Computation: Part A	Addition	-	F	F,G
	Multiplication	-	M-G	F
	Division	-	G	F-M
	Subtraction	-	M-G	M

TABLE 10 (cont'd)

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-I1

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Mathematics Computation: Part B	Addition	-	M	M-G
	Multiplication	-	M	F-M
	Division	-	M	F-M
	Subtraction	-	M-G	M
Mathematics Applications	Addition	-	M	M-G
	Subtraction	-	M	M-G
	Multiplication	-	F-	F-M
	Division	-	F-M	F-M
	Measurement	-	M-G	M-G
Spelling: Part A	Misspelled Words in Phrases	-	F	F-M
Spelling: Part B	Misspelled Words in Groups	-	P-F, G	F-M
Language: Part A	Capitalization	-	F	M-G
	Punctuation	-	P-F	P-F
	Contractions	-	F	P, M
	Parts of Speech	-	F	M-G
	Tense	-	F	M
Language: Part B	Complete Sentences with Phrases	-	P-F	M

TABLE 10 (cont'd)

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-II

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Language: Part C	Sentence Completion with Words	-	P-F, G	F-M
Language: Part D	Match Answers to Questions	-	F	M
Social Science	Geography	-	P	M
	History	-	P	F
	Government	-	P, G	F-M
	Economics	-	P, G	M
Science	Biology	-	P, G	P-F, G
	Astronomy	-	P	F
	Physics	-	P	F, G
	Chemistry	-	P, G	F, G
	Matter	-	P	G

TABLE 11

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-I2

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
Vocabulary	-	-	-	-
Reading Comprehension	-	-	P-F	F
Word Study: Part A	Phonetic Analysis	-	P	P-F
Word Study: Part B	Structural Analysis	-	P-F	P-F
Mathematics Concepts	Counting	-	P	P-F
	Addition	-	P	P-F
	Multiplication	-	F	P
	Subtraction	-	F	P, M
	Measurement	-	P	P
	Fractions	-	P	P
	Division	-	P	P
Mathematics Computation: Part A	Addition	-	F	P-F
	Multiplication	-	P	P
	Subtraction	-	P	P
	Division	-	P-F	P-F
Mathematics Computation: Part B	Addition	-	P	P-F
	Multiplication	-	P	F

TABLE 11 (cont'd)

1975-1976 POSTTEST PERFORMANCE PATTERNS: SAT-I2

Subtest	Subdivision	Age Group		
		Elem.	Junior	Senior
	Subtraction	-	P	P,M
	Division	-	P	P-F
Mathematics Applications	Addition	-	P	P-F, G
	Subtraction	-	P	P-F
	Multiplication	-	P	P-F
	Division	-	P-F	P
	Measurement	-	P	P
Spelling	-	-	-	-
Language	-	-	-	-
Social Science	-	-	-	-
Science	-	-	-	-

DISCUSSION AND RECOMMENDATIONS

When one examines either the first method of item analysis (difficulty levels for each item within each subtest of each level) on the second method (ranges of difficulty levels for clusters of items), he is impressed with the rather competent fashion in which the EMR students performed. One might conclude that the teachers of the EMR children were either very good estimators of what level of the Stanford series should be given to mesh with a child's current functioning level, or that the teachers assigned much too easy a level. The latter assertion, however, would be difficulty to support if one is committed to the concept of out-of-level testing (Ayrer & Mc Namara, 1973; Yoshida, 1976). Further, a previous study of EMR students engaged in out-of-level testing (Yoshida, 1976) established the soundness of teachers' judgements as to what test levels were most appropriate, and the psychometric soundness of this procedure in general.

By examining the two different methods of item analysis in conjunction with blank test booklets (to understand what each item asked, which of course cannot be given in this report itself), it is hoped that special educators might see the nature of typically missed items and perhaps consider what might be close to the curriculum to remedy this situation.

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APPENDIX A

PARTICIPATING SCHOOL DISTRICTS

IN FIRST YEAR OF STUDY

DISTRICT	HEADQUARTERS
Abington	Abington, Pa.
Cheltenham	Elkins Park, Pa.
Colonial	Plymouth Meeting, Pa.
Hatboro-Horsham	Horsham, Pa.
Lower Merion	Ardmore, Pa.
Methacton	Fairview Village, Pa.
Norristown	Norristown, Pa.
North Penn	Lansdale, Pa.
Perkiomen Valley	Schwenksville, Pa.
Souderton	Souderton, Pa.
Springfield	Oreland, Pa.
Springford	Royersford, Pa.
Upper Dublin	Fort Washington, Pa.
Upper Perkiomen	East Greenwille, Pa.
Wissahickon	Spring House, Pa.

APPENDIX B

INITIAL FIRST-YEAR CORRESPONDENCE WITH DISTRICTS

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550

June 17, 1974

Dear Superintendent:

The Intermediate Unit would appreciate your cooperation in a venture to measure the progress of the children in your district-run EMR (educable mentally retarded) classes. We are already instituting progress measurement in classes run by the Intermediate Unit itself and wish to extend this service to districts.

For children who are enrolled in district EMR classes, learning disabled classes, brain injured classes, and emotionally disturbed classes, we have completed a critical survey of available tests and have concluded that the Stanford Achievement Tests are the most appropriate to children who are functioning at the elementary school level, regardless of chronological age. The tentative testing scheme would be to give one form of the Stanford in fall of the school year and a parallel form of that test in spring. Thus, feedback to the district would consist not only of the usual normative subscores of the Stanford at the two different times of testing, but also growth scores across time.

Tests would be purchased by the Intermediate Unit and distributed at the appropriate times to the participating district's EMR classes. To achieve maximum involvement on the part of district staff who are expected to benefit most from this assessment, the teacher employed in any given EMR class would give her or his children the tests at both times of the school year. To facilitate this process, in-service on the purpose of the testing (as well as procedures for accomplishing it) will be offered by the Intermediate Unit on two alternate days (Saturday morning, September 21, 1974, and Monday evening, September 23, 1974). Teachers would be allowed to choose the day most convenient to them and would be reimbursed by the Intermediate Unit for their attendance at the prevailing district rate. The Intermediate Unit staff will maintain contact with the district personnel throughout the year and provide support on data gathering.

Whenever the start-of-the-year testing would be completed, the tests would be collected by the Intermediate Unit staff and scoring would be completed by the Intermediate Unit. Feedback would be given to the district staff (teachers and other interested professionals) shortly after completion of scoring. Hopefully this test feedback will be recent enough to aid in start-of-the-year programming decisions for the teacher. A similar scoring and immediate feedback process would be employed at the end-of-year testing. Further, during the summer of 1975, the Intermediate Unit would synthesize this data into a total report and disseminate it to district personnel concerned with EMR programming. The data will be rearranged in many different ways to show relationships to level of mental functioning, type of test item content, and so on.

Advantages of this testing program to the district include increased awareness of how the children in their EMR classes have mastered basic academic skills, indications of where to reorient curricular planning for these classes, a previous achievement "roadmap" to help guide new teachers establishing some common expectancies for performance. Results obtained from individual school districts will be made available only to those school districts and not otherwise disseminated.

We would be most happy to have your district's EMR classes participate in this pioneering endeavor. We would appreciate a reply from you by July 15, 1974. Enclosed you will find a stamped, self-addressed card, to the attention of Dr. Barton B. Proger, to indicate your reply.

Thank you for considering this proposal.

Sincerely,

Lester Mann, Ph.D.
Director of Special Education
Montgomery County Intermediate Unit

LM/pdr
encl.

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550

August 30, 1974

Dear Superintendent:

In a letter of June 17, 1974, from me, you were apprised of a new service available from the Intermediate Unit. We offered, without cost to the district, a complete package of achievement testing for all district-run classes for the educable mentally retarded. Our records show that your district elected to participate in this testing program. As we mentioned in our letter to you, we are now following up with more specific details of this service to districts from the Intermediate Unit. We now need your cooperation in arranging for the announcement to your EMR teachers of the impending in-service and testing procedures to be offered by the Intermediate Unit in the near future.

We are enclosing a set of response forms to be returned directly to the Intermediate Unit Special Education Center no later than Thursday, September 12, 1974. Attached to each response form is a stamped self-addressed envelope. Also attached to each form is a brief map. We are hoping that when you distribute the response forms to your EMR teachers, you will attach a brief memorandum from yourself to the effect that the district has decided to participate in the testing program and that you request your teachers to cooperate in making it a successful venture. To make your announcement of the program easier, we have included with the response form a brief outline of what the program consists. We need the response forms by September 12th so that we can arrange for appropriate accomodations for in-service at the Special Education Center in Norristown.

We appreciate your cooperation in this matter. We feel this testing program will give both the district and the I.U. a better feel of just what these handicapped children are capable of doing. Thank you.

Sincerely,

Lester Mann, Ph.D.
Director of Special Education

Enclosures

SPECIAL EDUCATION-BLUE LINE COMMUNICATION

Response Form, continued
Page 2

C. Results can provide some indications to district staff of where to re-orient curricular emphases in EMR classes

D. Test results from the 1974-1975 school year can give teachers who will receive these children in 1975-1976 a better understanding of where each child is functioning

III. What is requested of each teacher

A. Cooperation and patience

B. Participation in one of two alternative in-service half-days (on basis of substitute reimbursement of $35 a day, the I.U. will provide $18 to each participant for the half-day)

C. Completion and mailing of the attached response blank below by Thursday, September 12, 1974

On behalf of the district and itself, the Intermediate Unit thanks you for providing us with the opportunity to learn more about how EMR children master academic material. We look forward to a mutually beneficial year.

(Detach this form and mail in envelope provided)

Teacher ______________________ District ____________________

Building ______________________ Elem. ____ Secondary ____

Principal ____________________

Immediate Supervisor ________________________________

The best day for me to attend the in-service on EMR testing procedures is: ______ Saturday morning (9-12), Sept. 21

______ Monday evening (7-10), Sept. 23

Number of children in your class:

____ 6 to 8 yrs. old
____ 9 to 11 yrs. old
____ 12 to 14 yrs. old
____ 15 to 17 yrs. old
____ 18 and over

Total ____

RESPONSE FORM AND BACKGROUND INFORMATION:

1974-1975 Achievement Testing Program

(Sponsored jointly by your school district and Montgomery County Intermediate Unit)

I. Brief Description

  A. An attempt to determine how much EMR children at various levels of intelligence and age are capable of learning during the school year

  B. Provided free of charge to the district by the Intermediate Unit

  C. A system of testing both in the beginning and the end of the year to determine growth of each child

  D. Use of the new (1973) Stanford Achievement Test

  E. Scoring completed by Intermediate Unit staff and returned to district administration and teachers both at beginning and end of year

  F. Half day of in-service at the end of September given by Intermediate Unit staff with reimbursement to teacher

II. Benefits

  A. Provides increased awareness on the part of both the district and Intermediate Unit staff of how children in EMR classes have mastered basic academic skills

  B. Provides for the future years a heretofore missing basis for setting realistic expectancies of performance for EMR children

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550

September 3, 1974

Dear

In a letter dated June 17, 1974, you were asked to participate in a new program available from the Intermediate Unit. This program offers, without cost to the districts, a complete package of achievement testing for your classes of educable mentally retarded children. Our records show you elected to participate in this program. We are now following up with more specific details. Specifically, we are now urgently requesting your help in providing the necessary information to your EMR teachers of the in-service and testing procedures to be offered by the Intermediate Unit in the near future.

We are enclosing the necessary information for your teachers and a response form to be detached and mailed to us in a stamped, self-addressed envelope. Attached to the form is a brief map. Response forms are required back by September 12, 1974, so that we can arrange for appropriate accommodations for the in-service at the special education center in Norristown. Teachers will be reimbursed for participation at the rate of $35.00 per day or $18.00 for a half day. Based upon 1973-74 class rosters, we have enclosed an appropriate number of forms, with two additional copies. We hope these can be distributed immediately to your teachers.

We appreciate your cooperation in this matter. We feel that this testing program will be able to provide us all with useful information.

Sincerely,

Lester Mann, Ph.D.
Director of Special Education
Montgomery County Intermediate Unit

LM/pdr
encls.

EMR Testing Program
1974 - 1975

Tentative Time Line

1. June , 1974: Send out introductory letters to district superintendents.
2. July and August , 1974: Have I.U. EMR Testing Committee work out details for district in-service training and scoring procedures.
3. Early September , 1974: Contact districts and arrange details of program announcement, in-service arrangements, and distributions of tests.
4. September 21 and 23, 1974: Hold in-service on philosophy and procedures of EMR district testing.
5. Late September and Early October, 1974: Distribution of Pretest Test Booklets.
6. Mid October , 1974: I.U. collects and corrects test booklets.
7. Late October , 1974: I.U. sends back results to districts.
8. Late April , 1975: Distribution of alternate forms of test booklets for end-of-year testing.
9. Mid May , 1975: I.U. collects and corrects test booklets.
10. Late May to early June , 1975: I.U. sends back to districts results of end-of-year testing.
11. Early to mid summer , 1975: I.U.

copy

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550
SPECIAL EDUCATION-BLUE LINE COMMUNICATION

Dear Teacher of EMR Children:

Enclosed you will find the scored results of the 1974 Fall testing of EMR children in your class. Each child is on a separate score sheet. We have given grade-equivalent scores for each subtest, as well as selected combinations of subtests. We feel the grade-equivalent will be the most meaningful chronological age.

In interpreting these scores, there are some key points we want you to keep in mind. The lower the level of test, the greater the effort the student must put forth to achieve a grade equivalent year of growth. Remember too that the levels of functioning indicated by these test results are frustration levels; that is, where the student is being pushed to his maximum. A comfortable level of actual instruction should really be lower. Finally, please bear in mind that for EMR children, we really have no standard of comparison for what represents adequate achievement.

With the above understanding and precautions in mind, we present the grade equivalent results for your class. Please feel free to call (539-8550) Bart Proger or Mike Reilly if any questions about these results arise.

In spring, we will mail out packets of tests of a parallel form of the level that the child took in fall. The scoring services will function in the same manner as in fall.

Thank you for cooperating with us in this endeavor.

Sincerely,

Lester Mann
Director of Special Education
Montgomery County Intermediate Unit

LM/pdr
encls.

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550

TO: District Administrators Involved in Joint Intermediate Unit/ District EMR Testing Program

FROM: Lester Mann, Barton B. Proger, Michael F. Reilly, and Spencer W. Davis

RE: Feedback of Spring Results

Enclosed please find a complete set of results for the Stanford Achievement Testing program carried out by your district and the Intermediate Unit's special education staff. For each teacher in your district who participated you will see fall and spring testing results, and the resultant gains. In the not too distant future a summary report of county-wide trends will also be sent to you.

With regard to the enclosed results, we wish to re-emphasize that this year's efforts are of a pilot nature simply allowing us to establish some basic academic expectancies for EMR children.

In interpreting the results, please keep in mind that (1) the Stanford Achievement Test may be inappropriate for EMR children, (2) gains of less than a year are to be routinely expected, and (3) certain subtests (usually those not in the core areas of arithmetic and reading) have particularly large errors of measurement and thus should be viewed with suspicion.

We appreciate your district's cooperation and hope we can involve you in future efforts.

Enclosures

SPECIAL EDUCATION-BLUE LINE COMMUNICATION

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550
SPECIAL EDUCATION-BLUE LINE COMMUNICATION

TO: District Teachers of EMR Children

FROM: Dr. Lester Mann, Director of Special Education
Michael F. Reilly, Coordinator of EMR Programs
Spencer W. Davis, Supervisor of EMR Programs
Dr. Barton B. Proger, Coordinator of Program Evaluation Services

RE: Spring, 1975, Stanford Achievement Test Feedback

Enclosed you will find the results of your spring, 1975, Stanford Achievement Testing Program. You will note that in contrast to the feedback you received after the fall, 1974, testing sessions, you are now provided with three distinct types of information. First, you have a repeat of the fall results. Second, you have the new spring results. Third, you have the difference in scores between fall and spring results.

Interpreting these results, we ask you to bear in mind the following key points. First, there is no way anyone can pass as evaluative judgment on the size of the change scores from fall to spring and call them "good" or "bad". Such appraisals would be completely arbitrary and we wish to re-emphasize that this was not the purpose of the testing program. The main reason for initiating this testing Program was to gather data of a strictly descriptive type to allow us to study the nature of change patterns in the County's EMR population. We belabor this point so that no misuse of data will occur.

A second point that we wish you to remember is that the change scores from fall to spring have a certain degree of measurement error built into them. While we have not yet analyzed the data for the whole County to say exactly what the size of the error is, we can say from other exceptionality areas during 1973-1974 that this measurement error varied from about .05 to about .15 of a grade equivalent. Thus, the true change score that any of your pupils received on a given subtest would be the observed change that you see in the third column plus or minus about .10 of a grade equivalent. This will give you an idea of how much margin of error to allow for.

The third and final point we would like to make is that change scores below about one whole grade-equivalent year would certainly seem to be the logical expeitation for retarded children. thus, the fact that a whole year of growth is not achieved with these children should not upset anyone. Just how much growth less than a year would be a reasonable expectancy cannot be determined because of an appalling lack of such testing research nationwide in the EMR area. In future years of this testing program we will be better equipped to answer such questions because of the data being collected now.

On behalf of all Intermediate Unit Staff, we sincerely wish to thank you for participating in this pioneering project. We hope we can count upon your assistance next year again after we have broadened and modified our testing program. Have an enjoyable summer!

Enclosures

APPENDIX C

INITIAL FIRST-YEAR CORRESPONDENCE WITH DISTRICTS: DESIGNATION OF DISTRICT CONTACT PERSONS

DISTRICT CONTACT FORM

INTERMEDIATE UNIT - DISTRICT EMR TESTING PROGRAM

1974-1975 FALL TESTING

DISTRICT ______________________________

Please list here who should be the primary contact person at the administrative/supervisory level for future detailed coorespondence in this testing program:

NAME ______________________________

POSITION ______________ LOCATION ______________

Besides each teacher involved in the testing program receiving his or her own results, please list those who at supervisory or central administrative levels should be apprised of student progress:

NAME ______________________________

POSITION ______________ BUILDING ______________

NAME ______________________________

POSITION ______________ BUILDING ______________

NAME ______________________________

POSITION ______________ BUILDING ______________

NAME ______________________________

POSITION ______________ BUILDING ______________

NAME ______________________________

POSITION ______________ BUILDING ______________

NAME ______________________________

POSITION ______________ BUILDING ______________

Thank you!

APPENDIX D

PARTICIPATING DISTRICTS IN
SECOND YEAR OF STUDY

DISTRICT	HEADQUARTERS
Abington	Abington, Pa.
Cheltenham	Elkins Park, Pa.
Hatboro-Horsham	Horsham, Pa.
Lower Merion	Ardmore, Pa.
Methacton	Fairview Village, Pa.
Norristown	Norristown, Pa.
Perkiomen Valley	Schwenksville, Pa.
Souderton	Souderton, Pa.
Springfield	Oreland, Pa.
Springford	Royersford, Pa.
Upper Dublin	Fort Washington, Pa.
Upper Perkiomen	East Greenwille, Pa.
Wissahickon	Spring House, Pa.

APPENDIX E

INITIAL SECOND-YEAR CORRESPONDENCE
TO PARTICIPATING DISTRICTS

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550
SPECIAL EDUCATION-BLUE LINE COMMUNICATION

Fall, 1975

TO: District Contact Person and Other Administrative Staff

FROM: Barton B. Proger, Coordinator of Pupil Evaluation Services

RE: Release of Fall, 1975, EMR Testing Results

Enclosed you will find a copy of the fall, 1975, Stanford Achievement Testing results for some of your children. A copy of each class's results has already been sent to the teacher of that class. You may be receiving more EMR class Achievement Test results in the near future.

Last year your and your teachers received the Fall, 1975 and Spring, 1975 Stanford Achievement Test results which each class eas scored by us in this cooperative testing program between the Intermediate Unit and each of the participating districts. We are still in the midst of compiling a formal report for your information of anonymous, countywide treands in the 1974-1975 Achievement Test results. Apart from such trends, we will include in that report a detailed itemized analysis of specific skills which have or have not been mastered throughout the county. This itemized analyses was performed on a representational sampling of children at all levels of functioning from every teacher and from every district. As soon as we complete these analyses and are able to formally write up the report, we shall provide each of you with a copy.

Thank you for your continued cooperation and support.

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550
SPECIAL EDUCATION-BULLETINE COMMUNICATION

September 4, 1975

TO: Teachers of Educable Retarded Children

FROM: Lester Mann, Barton B. Proger, Michael F. Reilly, and Spencer W. Davis

RE: Stanford Achievement Testing for 1975-1976

At the start of the school year, we handed out to each district contact person a copy of last year's testing order for the various levels of the Stanford Achievement Tests. We mentioned that if we did not receive an order back from each teacher by September 12, 1975, we would assume the same number of each level was to be sent. Enclosed you will find the appropriate numbers of materials determined on such a basis. The main differences from last year's testing program is that we have added two levels: Early School Achievement Test (K.1-1.1) and Primary Level II (2.5-3.4). If you think you should have ordered some of these two levels but did not, please call Mrs. Judy Rizzo so that she can send you the appropriate number of additional materials.

Procedures for conducting the 1975-1976 Stanford Achievement Test program are similar to last year. We would like testing to start on September 221, 1975, be completed by October 3, and have all materials returned as soon as possible thereafter. We are again asking you to comply with the teacher's manuals. Practice tests have been included for levels of the tests other than the Early School Achievement Tests. You will recall that once the original directions in the manuals have been given as stated, you are allowed to rephrase these directions in language that you feel is appropriate and to place examples on the chalkboard to help drive home the desired method of responding, as long as such examples do not include actual test items that will be scored. Time limits are to be strictly enforced.

One of the major changes for this year is our desire to reduce as much as possible the amount of work done by you in administering these tests. In particular, we are asking that you give only the following subtests:

Primary Level I

Reading (Part A and Part B)
Word Study Skills
Mathematics Concepts
Mathematics Computation and Applications

Primary Level II

Reading
Word Study Skills
Mathematics Concepts
Mathematics Applications
Mathematics Computation

Primary Level III

Reading Comprehension
Word Study Skills
Mathematics Concepts
Mathematics Computation
Mathematics Applications

Intermediate Level I

Reading Comprehension
Word Study Skills
Mathematics Concepts
Mathematics Computation
Mathematics Application

Should you have any further questions, you can direct them to any one of a number of people: your own district contact person, Mr. Reilly, or Mr. Davis (if either of them has been giving assistance to your district), or Dr. Proger (if no one else is available). We wish to thank you for cooperating with us in this effort and hope that the feedback provides some extra information on your children.

cc: District Contact Person
Dr. Leiss

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550
SPECIAL EDUCATION-BLUE LINE COMMUNICATION

April 15, 1976

TO: District Contact Person, EMR Stanford Testing Program

FROM: Lester Mann, Barton B. Proger, Michael F. Reilly, Spencer W. Davis

RE: Spring, 1976, Stanford Achievement Testing

We ask your cooperation once again to bring to a successful conclusion the testing program jointly conducted by your district and the Intermediate Unit. To close out this year's testing program, we have sent complete packages of materials to your teachers who participated in the fall, 1975, testing. In each package is a set of instructions from us. If any of the teachers need more booklets of any level, please have them contact Mrs. Judy Rizzo at the above number. We are asking that testing commence the first week in May, 1976, and that all completed booklets and other materials (manuals, unused booklets, etc.) be returned within two weeks to Mrs. Rizzo for scoring to occur.

Apart from the continuous funneling of results to you and your teachers, we will be sending a detailed item analysis of the spring, 1975, test responses (from the 1974-1975 school year) in the near future. Other major reports are also in preparation and likewise will be sent to you upon completion.

We wish to thank you for your cooperation in this effort. The data from your teachers has been very useful to us and we hope to your district as well.

cc: Dr. Harken
Dr. Leiss
Dr. Duffey
Ms. Gowen

MONTGOMERY COUNTY INTERMEDIATE UNIT
Special Education Center
1605-B WEST MAIN STREET, NORRISTOWN, PENNSYLVANIA 19401 PHONE 215-539-8550
SPECIAL EDUCATION-BLUE LINE COMMUNICATION

April 15, 1976

TO: Teachers of Educable Mentally Retarded Children

FROM: Lester Mann, Barton B. Proger, Michael F. Reilly, Spencer W. Davis

RE: Stanford Achievement Testing for Spring, 1976

It is that time of year again, and we ask your cooperation once more. We are requesting that the Stanford Achievement Test be given the first week in May, 1976, to maintain comparability of procedures throughout the Intermediate Unit. We are enclosing what we assume to be a sufficient number of Stanford Achievement Tests for your class (based upon prior information), but if more is required, please contact Mrs. Judy Rizzo at the above number so that she can send you the appropriate items.

We ask that you keep the following points in mind as you test. Please abide by the procedures in the teacher's manuals. Once the original directions in the manuals have been given as stated, you can rephrase these directions in the manuals in language you feel is appropriate for your students, and you can place examples on the chalkboard to help drive home the desired method of responding, as long as such examples do not include actual test items that will be scored. Time limits are to be strictly enforced. Whatever level of test you gave to a student in fall, 1975, should be readministered in spring, 1976.

As we requested in Fall, 1975, only certain subtests of each level are to be given:

Early School Achievement Test: Level I

All Subtests

Early School Achievement Test: Level II

All Subtests

Primary Level I

Reading (Part A and Part B)
Word Study Skills
Mathematics Concepts
Mathematics Computation
Mathematics Applications

Primary Level II

Reading
Word Study Skills
Mathematics Concept
Mathematics Computation
Mathematics Applications

Primary Level III

Reading Comprehension
Word Study Skills
Mathematics Concepts
Mathematics Applications
Mathematics Computation

Intermediate Level I

Reading Comprehension
Word Study Skills
Mathematics Concepts
Mathematics Computation
Mathematics Applications

Please begin your testing during the first week in May and return all materials (completed test booklets, as well as all manuals and unused booklets) to Mrs. Rizzo as soon as possible so that scoring can take place at the Intermediate Unit. We are asking that all testing be completed within two weeks of initiation of testing. Further questions can be directed to one of several people: your own district contact person, Mr. Reilly or Mr. Davis (if either of them has been giving assistance in your district), or Dr. Proger or Mrs. Rizzo (if no one else is available at the time).

We request that you once again give your kind cooperation to this effort which has provided us with a great deal of information for future curricular emphases. We feel this has been a vital, cooperative effort between your school district and the Intermediate Unit. We sincerely thank you for your assistance.

cc: District Contact Person
Dr. Harken
Dr. Leiss
Dr. Duffey
Ms. Gowen

APPENDIX F

Stanford Early School Achievement Test, Level I (K.1 - 1.1)

- Environment
- Mathematics
- Letters & Sounds
- Aural Comprehension

Stanford Early School Achievement Test, Level II (1.1 - 1.8)

- Environment
- Mathematics
- Letters & Sounds
- Aural Comprehension
- Word Reading
- Sentence Reading

Stanford Achievement Test, Primary I (1.5 - 2.4)

- Vocabulary
- Reading - Part A
- Reading - Part B
- Word Study Skills
- Mathematics Concepts
- Mathematics Computations & Applications
- Listening Comprehension

Stanford Achievement Test, Primary II (2.5 - 3.4)

- Vocabulary
- Reading - Part A

Stanford Achievement Test - Primary II (2.5 - 3.4) (cont'd)

- Reading - Part B
- Word Study Skills - Part A
- Word Study Skills - Part B
- Mathematics Concepts
- Mathematics Computations
- Mathematics Applications
- Spelling
- Social Science
- Science
- Listening Comprehension

Stanford Achievement Test - Primary III (3.5 - 4.4)

- Vocabulary
- Reading Comprehension
- Word Study Skills - Part A
- Word Study Skills - Part B
- Word Study Skills - Part C
- Mathematics Concepts
- Mathematics Computation - Part A
- Mathematics Computation - Part B
- Mathematics Applications
- Spelling
- Language - Part A
- Language - Part B
- Social Science

Stanford Achievement Test - Primary III (3.5 - 4.4) (cont'd)

- Science
- Listening Comprehension

Stanford Achievement Test - Intermediate I (4.5 - 5.4)

- Vocabulary
- Reading Comprehension
- Word Study Skills - Part A
- Word Study Skills - Part B
- Mathematics Concepts
- Mathematics Computation
- Mathematics Application
- Spelling - Part A
- Spelling - Part B
- Language - Part A
- Language - Part B
- Language - Part C
- Language - Part D
- Social Science
- Science
- Listening Comprehension

Stanford Achievement Test - Intermediate II (5.5 - 6.9)

- Vocabulary
- Reading Comprehension
- Word Study Skills - Part A
- Word Study Skills - Part B

Stanford Achievement Test - Intermediate II (5.5 - 6.9) (cont'd)

- Mathematics Concepts
- Mathematics Computation - Part A
- Mathematics Computation - Part B
- Mathematics Applications
- Spelling - Part A
- Spelling - Part B
- Language - Part A
- Language - Part B
- Language - Part C
- Language - Part D
- Social Science
- Science
- Listening Comprehension

APPENDIX G

SECOND METHOD OF ITEM ANALYSIS:
ARBITRARY SUBDIVISIONS OF SUBTESTS CONTENT AREA

STANFORD EARLY SCHOOL ACHIEVEMENT TEST, LEVEL I

ENVIRONMENT

Close Personal Surroundings

1, 2, 3, 5, 9, 11, 12, 13, 14, 18, 19, 20, 21, 23, 27, 30, 32, 34, 42

Natural

4, 6, 7, 8, 10, 15, 16, 17, 22, 24, 25, 26, 27, 28, 29, 31, 33, 35, 36, 37, 38, 39, 40, 41

MATHEMATICS

Measurement

6, 7, 9, 12, 20, 23

Counting

5, 8, 10, 11, 14, 17, 18, 19, 22, 25, 26, 27, 28

Recognizing Numbers

2, 4, 21

Volume

13, 15, 16, 24

LETTERS & SOUNDS

Recognizing Upper & Lower Case Letters

1 (j), 2 (k), 3 (f), 4 (p), 5 (n), 6 (d), 7 (s), 8 (g), 9 (y), 10 (b), 11 (h), 12 (o), 13 (i), 14 (u)

LETTERS & SOUNDS (cont'd)

Beginning Sounds

15 (g), 16 (m), 17 (c), 18 (t), 19 (r), 20 (p), 21 (h), 22 (s), 23 (d), 24 (s), 25 (n), 26 (f), 27 (l), 28 (b)

AURAL COMPREHENSION

Interpret

2, 4, 5, 7, 10, 11, 12, 13, 14, 18, 21, 22, 23, 24, 27

Retain

1, 3, 6, 8, 15, 16, 17, 19, 20, 25, 26, 27

STANFORD EARLY SCHOOL ACHIEVEMENT TEST, LEVEL II

ENVIRONMENT

Close Personal Surroundings

4, 5, 8, 10, 11, 13, 15, 20, 22, 24, 25, 27, 29, 38, 39

Natural

1, 3, 6, 9, 16, 18, 28, 31, 32, 33, 34, 35, 36

Animals

2, 7, 12, 14, 17, 19, 21, 23, 26, 30

MATHEMATICS

Measurement

1, 5, 6, 7, 9, 12, 16, 17, 19, 22

Counting

2, 3, 4, 13, 15, 18, 20, 24, 25, 39

Addition

8, 11, 14, 21, 26, 27, 28, 29, 30, 31, 32, 36, 37, 38, 42, 43, 44, 45, 46, 47, 48, 49

Subtraction

10, 23, 33, 34, 35, 40, 41, 50, 51, 52, 53, 54, 55

LETTERS & SOUNDS

Recognizing Upper & Lower Case Letters

1 (g), 2 (m), 3 (a), 4 (e), 5 (i), 6 (c), 7 (w), 8 (i), 9 (t), 10 (n), 11 (v), 12 (d), 13 (p)

Beginning Sounds

14 (c), 15 (d), 16 (f), 17 (m), 18 (s), 19 (b), 20 (p), 21 (t), 22 (c), 23 (n), 24 (w), 25 (n) (26 (g), 27 (s), 28 (t), 29 (c), 30 (r), 31 (sk), 32 (a), 33 (z), 34 (i), 35 (v)

AURAL COMPREHENSION

Interpret

2, 4, 5, 6, 11, 17, 18, 20, 24, 25, 27

Retains

1, 3, 7, 8, 9, 10, 12, 13, 14, 15, 16, 19, 21, 22, 23, 26

WORD READING

1 (red), 2 (jump), 3 (ball), 4 (book), 5 (let), 6 (play), 7 (he), 8 (may), 9 (cake), 10 (am), 11 (car), 12 (farm), 13 (bus), 14 (in), 15 (for), 16 (work), 17 (walk), 18 (here), 19 (did), 20 (not), 21 (brown), 22 (find), 23 (stop), 24 (came), 25 (get), 26 (hop), 27 (sit), 28 (hat), 29 (ride), 30 (fish), 31 (bird), 32 (soon), 33 (please), 35 (with), 36 (tree), 37 (fun), 38 (now), 39 (boat), 40 (house), 41 (said), 42 (black), 43 (pony), 44 (ear), 45 (never), 46 (like), 47 (big), 48 (there), 49 (thank), 50 (will), 51 (ran), 52 (him), 53 (party), 54 (pet), 55 (father), 56 (store), 57 (then), 58 (truck)

SENTENCE READING

Subject

3, 8, 9, 10, 12, 13, 18, 19, 20, 23, 27, 28, 29, 31, 34, 38, 39

Subject & Number

1, 2, 7, 15, 21, 22, 25

Number & Tense

4, 16, 32, 33

Tense

5, 6, 11, 14, 17, 24, 26, 35, 36, 37

STANFORD ACHIEVEMENT TEST - PRIMARY I

VOCABULARY

Nouns

3, 6, 7, 9, 10, 11, 13, 15, 20, 27, 29, 31

Verbs

12, 14, 19, 24, 28, 33, 36, 36, 37

Adjectives & Adverbs

1, 2, 4, 5, 8, 16, 17, 18, 21, 22, 23, 25, 26, 30, 32, 34

READING - PART A

Main Idea

1, 4, 8, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 38, 40, 43

Secondary Idea

2, 6, 9, 11, 12, 14, 15, 17, 20, 21, 23, 24, 26, 29, 30, 32, 35, 36, 39, 41, 44

Action

3, 5, 7, 18, 27, 33, 42, 45

READING - PART B

Nouns

1, 4, 5, 8, 10, 11, 12, 13, 15, 16, 19, 24, 25, 27, 28, 31, 33, 34, 39, 40, 41, 42

Verbs

2, 3, 7, 17, 18, 21, 23, 26, 37

Adjectives & Adverbs

6, 9, 14, 20, 22, 29, 30, 32, 35, 36, 38

WORD STUDY SKILLS

Sight Words

24, 40

WORD STUDY SKILLS (cont'd)

Initial Consonant

1, 2, 3, 4, 5

Final Consonant

6, 7

Initial Consonant Cluster

11, 12, 13, 14, 15, 21, 22, 46, 47

Final Consonant Cluster

8, 9, 10, 16, 17, 18, 19, 20, 23, 25, 48, 49, 50

Final Vowel Cluster

26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

MATHEMATICS CONCEPTS

Measurement

6, 7, 9, 11, 17, 18, 19, 23, 28, 29

Counting

1, 2, 3, 4, 5, 8, 10, 12, 13, 14, 15, 16, 20, 21, 22, 24, 25, 26, 27, 30, 31, 32

MATHEMATICS COMPUTATIONS & APPLICATIONS

Addition

1, 2, 3, 4, 6, 8, 9, 11, 14, 15, 16, 17, 25, 26, 27, 28, 29, 30

Subtraction

5, 7, 10, 12, 13, 18, 19, 20, 21, 22, 23, 24, 31, 32

LISTENING COMPREHENSION

Consists of 32 items. To mark an appropriate picture or letter from a spoken statement - Multiple Choice.

STANFORD ACHIEVEMENT TEST - PRIMARY II

VOCABULARY

Nouns

1, 9, 11, 18, 23, 24, 27, 29, 34, 35, 36, 37

Verbs

2, 3, 4, 5, 7, 8, 10, 12, 14, 15, 16, 22, 30

Adjectives & Adverbs

6, 13, 17, 19, 20, 21, 25, 26, 28, 31, 32, 33

READING - PART A

Main Idea

1, 4, 7, 10, 13, 17, 19, 24, 27, 29, 31, 34, 37, 40, 43

Secondary Idea

2, 3, 5, 6, 9, 11, 12, 14, 15, 16, 18, 20, 25, 26, 28, 30, 32, 33, 35, 36, 39, 41, 42, 44

Action

8, 21, 22, 23, 38, 45

READING - PART B

Nouns

1, 2, 4, 5, 6, 7, 9, 11, 12, 14, 15, 16, 17, 19, 20, 24, 25, 27, 29, 30, 32, 35, 37, 40, 43, 44, 45

Verbs

3, 28, 31, 33, 36, 38, 42, 47

Adjectives & Adverbs

8, 10, 13, 18, 21, 22, 23, 26, 34, 39, 41, 46, 48

WORD STUDY SKILLS - PART A

Initial Consonant

Final Consonant

Initial Consonant Cluster

1, 2, 8, 9

Final Consonant Cluster

3, 4, 5, 6, 7, 10, 27, 29

Final Vowel Cluster

11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 30

WORD STUDY SKILLS - PART B

31 (time), 32 (home), 33 (see), 34 (name), 35 (few), 36 (big), 37 (got), 38 (pet), 39 (bad), 40 (run), 41 (play), 42 (leaf), 43 (my), 44 (show), 45 (draw), 46 (down), 47 (moon), 48 (wood), 49 (boy), 50 (became), 51 (jaw), 52 (mouse), 53 (afraid), 54 (girl), 55 (if), 56 (jar), 57 (keep), 58 (city), 59 (cat), 60 (age), 61 (you), 62 (catch), 63 (talks) 64 (zoo), 65 (ship)

MATHEMATICS CONCEPTS

Counting

1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 19, 21, 24, 26, 28, 30, 31, 32, 33

Measurement

2, 10, 13, 20, 25, 27, 29

Addition

17, 18, 23, 34, 35

Subtraction

22

MATHEMATICS COMPUTATIONS

Addition

1, 2, 3, 4, 8, 9, 10, 14, 16, 17, 18, 22, 23, 24, 28, 29, 30, 31, 33, 34

Subtraction

5, 6, 7, 11, 12, 13, 15, 19, 20, 21, 25, 26, 27, 32

Multiplication

35, 36, 37

MATHEMATICS APPLICATIONS

Addition

1, 2, 19, 21

Subtraction

3, 4, 5, 6, 7, 8, 20, 24, 27, 28

Multiplication

9, 10, 11, 14, 18

Subtraction & Addition for Single Answer

12, 13

Counting Money

23, 22, 25

Measuring

26

SPELLING

1 (kitten), 2 (just), 3 (take), 4 (put), 5 (of), 6 (gives), 7 (pull), 8 (long), 9 (liked), 10 (store), 11 (went), 12 (best), 13 (hill), 14 (homes), 15 (happens), 16 (baskets), 17 (other), 18 (animals), 19 (wished), 20 (slide), 21 (taken), 22 (sweet), 23 (mine), 24 (promised) 25 (beside), 26 (such),27 (shirt),

SPELLING (cont'd)

28 (ages), 29 (jumped), 30 (found), 31 (handed), 32 (flowing), 33 (clown), 34 (thinking), 35 (carrying), 36 (window), 37 (lunch), 38 (lock), 39 (cheeper), 40 (much), 41 (count), 42 (friendly), 43 (baking)

SOCIAL SCIENCE

History

1, 4, 8, 9, 12, 20

Government

2, 6, 11, 14

Economics

3, 7, 10, 13

Geography

5, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27

SCIENCE

Biology

1, 3, 4, 5, 8, 10, 12, 14, 15, 18, 20, 21, 24, 25, 26

Chemistry

2, 7, 16, 19, 22, 27

Physics

6, 9, 11, 13, 17, 23

LISTENING COMPREHENSION

Main Idea

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50

STANFORD ACHIEVEMENT TEST - PRIMARY III

VOCABULARY

Nouns

2, 6, 8, 9, 11, 12, 13, 14, 17, 18, 20, 27, 32, 35, 36, 42, 45

Verbs

2, 7, 15, 19, 21, 22, 25, 29, 30, 31

Adjectives & Adverbs

3, 4, 5, 10, 16, 23, 24, 26, 28, 33, 34, 37, 38, 39, 40, 41, 43, 44

READING COMPREHENSION

Main Idea

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

WORD STUDY SKILLS - PART A

Beginning Sounds

1 (d), 2 (m), 3 (cl), 4 (sw), 5 (th), 6 (ch), 7 (te), 8 (di), 9 (o), 10 (o), 11 (ad), 12 (un

WORD STUDY SKILLS - PART B

Ending Sounds

13 (l), 14 (g), 15 (p), 16 (rn), 17 (ng), 18 (sh), 19 (ew), 20 (use), 21 (ar), 22 (de), 23 (ic), 24 (ty)

WORD STUDY SKILLS - PART C

Medial Sound

25 (i), 26 (o), 27 (ee), 28 (ey), 29 (eau), 30 (i), 31 (o), 32 (e), 33 (a),

WORD STUDY SKILLS - PART C (cont'd)

Medial Sound (cont'd)

34 (o), 35 (a), 36 (ie), 37 (ie), 38 (o), 39 (a), 40 (ou), 41 (ue), 42 (ou), 43 (oy), 44 (o), 45 (o), 46 (ou), 47 (or), 48 (f), 49 (j), 50 (k), 51 (s), 52 (g), 53 (y), 54 (tch), 55 (sh)

MATHEMATICS CONCEPTS

Counting

1, 3, 4, 5, 6, 7, 8, 12, 14, 16, 18, 20, 25, 26, 27, 28, 31

Addition

2, 11, 13, 14, 32

Multiplication

9, 21, 23, 24

Measurement

10, 17, 29, 30

Subtraction

19, 22

MATHEMATICS COMPUTATION - PART A

Addition

1, 2, 3, 4, 5

Subtraction

6, 7, 8, 9, 10

Multiplication

11, 13, 15, 17, 19, 20, 22

Division

12, 14, 16, 18, 21, 23, 24

MATHEMATICS COMPUTATION - PART B

Addition

25, 26, 29

Subtraction

27, 28, 30

Division

31, 34

Multiplication

32, 33, 35, 36

MATHEMATICS APPLICATIONS

Subtraction

1, 5, 8, 9, 10, 17, 20, 22

Addition

2, 4, 24, 28

Addition & Subtraction

23, 26

Multiplication

3, 11, 12, 14, 18, 19, 21, 27

Counting

6, 7

Division

13

Measurement

15, 16, 25

SPELLING

1 (thought), 2 (shore), 3 (fround), 4 (anyone), 5 (again), 6 (ask), 7 (pool), 8 (reach), 9 (worry), 10 (busier), 11 (sly), 12 invites), 13 (wash), 14 (hurry), 15 (also), 16 (cannot), 17 (branch), 18 (somewhere), 19 (twenty), 20 (keeping), 21 (fellow), 22 (cookies), 23 (papers), 24 (barns), 25 (quick), 26 (reported), 27 (build), 28 turtle), 29 (afterward), 30 (needed), 31 (hungry), 32 (training), 33 (arithmetic), 34 (slipping), 35 (sheet), 36 (dreamed), 37 (another, 38 (cried), 39 (meaning), 40 (careless), 41 (plenty), 42 (skating), 43 (leather), 44 (sugar), 45 (reason), 46 (catches), 47 (delivery)

LANGUAGE - PART A

Capitalization

1, 4, 8, 9, 10, 14, 17, 18, 20, 31

Punctuation

2, 3, 6, 7, 12, 15, 16, 34

Complete Sentence

5

Contraction

11, 22, 23, 25, 30

Parts of Speech

13, 21

Tense

19, 20, 24, 26, 27, 28, 32, 33, 35, 36, 37, 38

LANGUAGE - PART B

Verb

39, 44, 45, 46, 47

LANGUAGE - PART B (cont'd)

Noun

40, 42

Connection

41, 48

Adjective

43

Adverb

49

Phrases

50, 51, 52, 53, 54, 55

SOCIAL SCIENCE

Geography

1, 6, 9, 11, 16, 20, 32, 33, 34, 35, 36, 39, 40, 41, 42

History

2, 4, 7, 10, 13, 15, 17, 18, 38, 43

Government

3, 5, 8, 12, 14, 21, 23, 31, 37, 44

Economics

19, 22, 24, 25, 26, 27, 28, 29, 30

SCIENCE

Biology

3, 4, 5, 6, 9, 10, 13, 14, 15, 17, 18, 19, 20, 27, 28, 29, 32, 35, 40

Astronomy

1, 11, 12, 41

SCIENCE (cont'd)

Physics

2, 7, 16, 25, 26, 37, 39, 23, 24

Chemistry

8, 20, 21, 38, 33, 34, 36, 42

LISTENING COMPREHENSION

Main Idea

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50

STANFORD ACHIEVEMENT TEST - INTERMEDIATE I

VOCABULARY

Nouns

4, 6, 9, 14,17, 19, 25, 29, 31, 36, 38, 39, 40, 41, 42, 45, 48, 49

Verbs

1, 2, 5, 8, 11, 12, 16, 18, 20, 21, 23, 28, 30, 33, 35, 37, 46, 34

Adjectives & Adverbs

3, 7, 10, 13, 15, 22, 24, 26, 27, 32, 43, 44, 47, 50

READING COMPREHENSION

(1) global meaning, (2) comprehension of detailed information, (3) comprehension of implied meaning, (4) use of context for word and paragraph meaning and (5) drawing inferences from what is read.

WORD STUDY SKILLS - PART A

Items 1 thru 25. Examples:

1. Only	(1) May	(2) Fly	(3) Hurry
2. Cry	(4) Give	(5) Die	(6) Any
3. Drop	(1) Rope	(2) Shoe	(3) Shot
4. Poison	(4) Boy	(5) Radio	(6) Around

WORD STUDY SKILLS - PART B

Items 26 through 55. Examples:

26. 4 - mar	5 - pen	6 - cil	26. 4 5 6 N
27. 1 - ness	2 - ber	3 - dark	27. 1 2 3 N
28. 4 - com	5 - i	6 - or	28. 4 5 6 N

MATHEMATICS CONCEPTS

Counting

3, 4, 8, 22, 31

Addition

1, 2, 6, 7, 9, 11, 12, 25, 28

Multiplication

16, 26

Subtraction

23, 27, 10

Measurement

13, 14, 15, 21, 24, 29, 32

Fraction

17, 19, 20

Division

18, 30

MATHEMATICS COMPUTATION - PART A

Addition

1, 2, 17

Multiplication

5, 6, 7, 12, 14, 15, 16

Division

8, 9, 10, 11, 18

Subtraction

3, 4, 13

MATHEMATICS COMPUTATION - PART B

Addition

19, 21, 22, 36, 38

Multiplication

20, 23, 28, 33, 34, 35, 40

Division

26, 27, 30, 31, 32, 39

Subtraction

24, 25, 29, 37

MATHEMATICS APPLICATION

Addition

1, 2, 4, 6,7, 8, 9, 12, 17, 21, 22, 31, 32, 34, 36, 39

Subtraction

10, 14, 18, 19, 20, 24, 29, 38

Multiplication

3, 28, 33, 35

Division

5, 11, 16, 23, 25, 26, 27, 30, 37, 40

Measurement

13, 15

SPELLING - PART A

1. here - hear
2. bare - bear
3. steak - stake
4. sail - sale
5. fair - fare
6. way - weigh
7. tail - tale
8. higher - hire

SPELLING - PART B

9. chease-cheese
10. compeny-company
11. beneth-beneath
12. fith-fifth
13. avnue-avenue
14. contane-contain
15. clame-claim
16. rateing-rating
17. pakage-package
18. plainely-plainly
19. lissen-listen
20. goten-gotten
21. harnes-harness
22. atend-attend
23. tomorow-tomorrow
24. spoild-spoiled
25. thum-thumb
26. closly-closely
27. voise-voice
28. wolfes-wolves
29. scater-scatter
30. swiming-swimming
31. attension-attention
32. painfull-painful
33. distanse-distance
34. lonly-lonely
35. canarey-canary
36. blossomes-blossoms
37. aganst-against
38. ladys-ladies
39. groth-growth
40. usful-useful
41. populer-popular
42. settel-settle
43. cheif-chief
44. cheif-chief
45. vegtable-vegetable
46. deped-dipped
47. flaver-flavor
48. suprise-suprize
49. sweap-sweep
50. ajust-adjust

LANGUAGE - PART A

Capitalization

3, 12, 17,19, 21, 29, 30, 31

Punctuation

1, 3, 5, 6, 9, 10, 20

Contraction

23, 24

Parts of Speech

7, 26, 32, 33, 35, 36, 37, 40, 41, 42

Tense

2, 4, 11, 13, 14, 15, 16, 18, 22, 25, 27, 28, 34, 38, 39

LANGUAGE - PART B

Main Idea

Completing sentences with phrases. Numbers 43 thru 48.

LANGUAGE - PART C

49. 1
50. 1
51. N
52. 1
53. 1
54. 1
55. 2
56. N
57. 1
58. N
59. 1
60. 2
61. 2
62. 1
63. 2
64. 2
65. 1
66. 1
67. N
68. N
69. 1

LANGUAGE - PART D

70. 3
71. 2
72. C
73. F
74. C
75. 1
76. 2
77. E
78. C
79. G

SOCIAL SCIENCE

Geography

4, 9, 10, 12, 15, 16, 17, 22, 27, 38, 39, 40, 41, 42, 43, 44, 45, 47, 48

History

7, 21, 24, 25, 26, 29, 32, 34, 36, 37

Government

2, 6, 11, 28, 30, 35, 51, 49, 51, 52, 53, 54

Economics

1, 3, 5, 8, 13, 14, 18, 19, 20, 23, 31, 33, 46, 50, 55, 56, 57, 58, 59, 60

SCIENCE

Biology

1, 6, 7, 10, 12, 14, 19, 30, 34, 35, 39, 43, 44, 45, 46, 51, 53, 54, 55, 57, 59, 60

SCIENCE (cont'd)

Astronomy

11, 17, 32, 47

Physics

38, 49, 50, 56

Chemistry

3, 4, 5, 8, 9, 13, 15, 16, 18, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 33, 36, 37, 40, 41, 42, 48, 52, 58

Matter

2, 20

LISTENING COMPREHENSION

Consists of 50 items.

STANFORD ACHIEVEMENT TEST - INTERMEDIATE II

VOCABULARY

Nouns

4, 5, 6, 11, 12, 13, 15, 22, 25, 34, 36, 39, 40, 42, 44, 47, 50

Verbs

2, 8, 10, 16, 17, 19, 23, 24, 26, 27, 30, 31, 35, 41, 43, 46, 48

Adjectives & Adverbs

1, 3, 7, 9, 14, 6, 20, 21, 28, 29, 32, 33, 37, 45, 49

READING COMPREHENSION

(1) global meaning, (2) comprehension of detailed info, (3) comprehension of implied meaning, (4) use of context for word and paragraph meaning and (5) drawing inferences from what is read.

WORD STUDY SKILLS - PART A

Items 1 thru 25.

1. Point	(1) round	(2) pint	(3) pin	(4) toy
2. Drive	(5) dizzy	(6) drip	(7) style	(8) syrup
3. Famous	(1) useful	(2) horse	(3) mouse	(4) radius
4. Friends	(5) freeze	(6) said	(7) side	(8) fire

WORD STUDY SKILLS - PART B

Items 26 through 55.

26.	5 low	6 fol	7 ing	8 gar	26. 5 6 7 8 N
27.	1 por	2 im	3 tant	4 lag	27. 1 2 3 4 N
28.	5 es	6 lin	7 hon	8 ty	28. 5 6 7 8 N
29.	1 ni	2 won	3 ful	4 der	29. 1 2 3 4 N

MATHEMATICS CONCEPTS

Counting

1, 5, 9, 12, 17, 27, 34, 35

Addition

2, 6, 14, 33

Multiplication

7, 13, 25, 31

Subtraction

3, 15

Measurement

4, 8, 11, 16, 18, 21, 26, 28, 29, 30, 32, 34

Fraction

19, 20, 22, 23, 24

Division

10

MATHEMATICS COMPUTATION - PART A

Addition

1, 2, 3, 7, 16

Multiplication

6, 8, 9, 13, 14, 15, 20, 21, 23

Subtraction

4, 5, 24

Division

10, 11, 12, 17, 18, 19, 22

MATHEMATICS COMPUTATION - PART B

Addition

26, 32, 34, 42

Multiplication

25, 35, 36, 40, 41, 45

Subtraction

27, 33, 37, 39

Division

28, 29, 30, 31, 38, 43, 44

MATHEMATICS APPLICATION

Addition

13, 18, 22, 26, 30

Subtraction

5, 6, 8, 14, 15, 21, 25, 29, 34, 36

Multiplication

1, 3, 12, 16, 17, 19, 23

Division

2, 4, 7, 10, 9, 11, 20, 24, 31, 32, 33, 35, 37, 38, 40

Measurement

27, 28, 39

SPELLING - PART A

1. Would
2. Foul
3. Steak
4. Sole
5. Scene
6. Hole
7. Fairy
8. Through
9. Construct
10. Ordered
11. Advantaged
12. Defeated

SPELLING - PART A (cont'd)

13. Chocolate
14. Entertaining
15. Quality
16. Dismissed
17. Reliable
18. Halves
19. View
20. Desirable
21. Oblige
22. Stepped
23. Fierce

SPELLING - PART B

24. Examinations
25. Relief
26. Forehead
27. Weird
28. Happiness
29. Bicycle
30. Arrival
31. Bases
32. Introduce
33. Fifteenth
34. Groceries
35. Assignment
36. Suggested
37. Furnace
38. Probably
39. Permission
40. Listened
41. Silence
42. Easier
43. Profitable
44. Accomplish
45. Bandage
46. Janitor
47. Stretch
48. Accuse
49. Appreciate
50. Gracious
51. Excellent
52. Affair
53. Requirement
54.
55. Hospital
56. Sincere
57. Customs
58. Approach
59. Destination
60. Equally

LANGUAGE - PART A

Capitalization

1, 19, 20, 22, 23, 30

Punctuation

2, 5, 6, 9, 16, 17, 18, 27

LANGUAGE - PART A (cont'd)

Parts of Speech

8, 11, 12, 13, 14, 24, 29, 35, 36, 37, 38, 42

Tense

3, 4, 7, 10, 15, 21, 25, 26, 28, 31, 32, 33, 34, 39, 40, 41

LANGUAGE - PART B

Items 43 through 50 - completing sentences with phrases.

LANGUAGE - PART C

51. 2
52. 1
53. N
54. 1
55. N
55. N
56. 2
57. 1
58. 1
59. 1
60. 1
62. N
63. N
64. N
65. N
66. N
67. 2
68. 1
69. 2
70. 1

LANGUAGE - PART D

71. 3
72. 1
73. B
74. E
75. B
76. 4
77. 2
78. G
79. A
80. A

SOCIAL SCIENCE

Geography

1, 10, 18, 19, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39

History

2, 3, 7, 8, 9, 11, 12, 14, 15, 16, 17, 24, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54

SOCIAL SCIENCE (cont'd)

Government

5, 26, 40, 41, 42, 43, 44

Economics

4, 6, 13, 20, 21, 22, 23, 38

SCIENCE

Biology

2, 4, 6, 7, 9, 11, 12, 14, 17, 18, 24, 27, 28, 29, 30, 38, 33, 40, 41, 42, 46, 47, 58, 60

Astronomy

10, 20, 21, 22, 34, 50, 52, 59

Physics

35, 37, 43, 44, 45, 49, 53

Chemistry

1, 3, 5, 8, 13, 15, 16, 19, 23, 25, 31, 32, 36, 39, 51, 54, 55, 56, 57

LISTENING COMPREHENSION

Consists of items 1 through 50.

APPENDIX H

NUMBERS OF CHILDREN SAMPLED
DURING 1975-1976 SCHOOL YEAR
(POSTTEST ONLY)

AGE GROUP	TEST LEVEL	NUMBER
Elementary	SESAT - 1	4
	SESAT - 2	4
	SAT - P1	4
	SAT - P2	4
	SAT - P3	4
	SAT - I1	0
	SAT - I2	0
Junior	SESAT - 1	1
	SESAT - 2	4
	SAT - P1	4
	SAT - P2	4
	SAT - P3	4
	SAT - I1	4
	SAT - I2	4
Senior	SESAT - 1	0
	SESAT - 2	1
	SAT - P1	4
	SAT - P2	4
	SAT - P3	4

NUMBERS OF CHILDREN SAMPLED
DURING 1975-1976 SCHOOL YEAR
(POSTTEST ONLY) (CONT'D)

AGE GROUP	TEST LEVEL	NUMBER
Senior	SAT -I1	4
	SAT - I2	4

APPENDIX I

RAW DATA RESULTS:

ITEM DIFFICULTY LEVELS

(SPRING, 1975)

ITEM DIFFICULTY LEVELS

SAT - P1

VOCABULARY SUBTEST

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	95	88
2	91	82
3	96	83
4	84	73
5	93	75
6	93	73
7	85	82
8	95	79
9	96	75
10	91	73
11	96	64
12	95	79
13	98	70
14	93	69
15	91	55
16	87	70
17	78	62
18	78	64
19	80	65
20	71	49
21	60	61
22	67	62
23	73	65

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P1

VOCABULARY SUBTEST

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
24	69	62
25	65	67
26	71	58
27	69	41
28	71	45
29	80	57
30	55	42
31	65	47
32	62	41
33	78	41
34	65	44
35	42	37
36	35	32
37	51	25

ITEM DIFFICULTY LEVELS

SAT - P1

READING - PART A SUBTEST

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	93	92
2	85	87
3	93	69
4	95	86
5	89	77
6	80	55
7	96	84
8	82	73
9	91	64
10	93	86
11	95	82
12	80	50
13	91	77
14	76	71
15	76	71
16	95	90
17	95	75
18	73	57
19	96	82
20	73	69
21	80	50
22	96	68
23	89	76
24	80	53
25	87	72
26	89	63
27	95	48
28	87	68
29	87	57
30	64	57
31	89	62
32	85	63
33	67	64
34	91	54

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P1

READING - PART A SUBTEST

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	76	60
36	60	50
37	95	86
38	80	61
39	65	47
40	89	61
41	78	54
42	84	57
43	82	57
44	58	57
45	73	47

ITEM DIFFICULTY LEVELS

SAT - P1

READING - PART B

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	100	87
2	96	83
3	95	83
4	89	71
5	87	70
6	87	73
7	78	64
8	96	59
9	89	73
10	85	69
11	76	61
12	96	59
13	82	68
14	65	55
15	96	69
16	82	68
17	78	72
18	60	70
19	91	73
20	82	72
21	82	49
22	89	46
23	84	62
24	71	54
25	82	49
26	84	54
27	78	63
28	73	58
29	80	60
30	67	47
31	67	82
32	73	63
33	78	65
34	95	69

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P1

READING - PART B

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	73	62
36	76	40
37	73	60
38	73	70
39	71	44
40	82	45
41	76	45
42	69	65

ITEM DIFFICULTY LEVELS

SAT - P1

WORD STUDY SKILLS

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	76	61
36	76	63
37	83	77
38	100	76
39	73	65
40	83	40
41	85	81
42	64	58
43	58	51
44	62	62
45	78	49
46	91	41
47	82	69
48	82	51
49	55	40
50	95	77
51	82	66
52	60	63
53	75	84
54	55	55
55	69	63
56	71	54
57	85	64
58	71	41
59	75	68
60	76	79

ITEM DIFFICULTY LEVELS

SAT - P1

WORD STUDY SKILLS

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	98	92
2	96	94
3	98	93
4	98	95
5	96	95
6	89	91
7	100	89
8	91	91
9	73	90
10	91	93
11	100	92
12	98	89
13	96	88
14	93	92
15	89	88
16	96	83
17	91	81
18	71	72
19	93	78
20	87	91
21	80	75
22	65	70
23	85	82
24	93	88
25	96	85
26	95	85
27	73	63
28	93	77
29	89	69
30	69	73
31	56	38
32	80	69
33	89	85
34	87	75

ITEM DIFFICULTY LEVELS

SAT - P1

MATHEMATICS CONCEPTS

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	95	96
2	98	88
3	95	78
4	87	82
5	78	84
6	89	59
7	82	85
8	75	59
9	73	74
10	71	48
11	73	75
12	42	92
13	80	68
14	51	31
15	91	50
16	73	64
17	51	58
18	80	57
19	75	50
20	69	60
21	45	59
22	89	47
23	78	94
24	45	49
25	42	35
26	58	54
27	45	41
28	64	54
29	47	40
30	44	33
31	42	34
32	58	42

ITEM DIFFICULTY LEVELS

SAT - P1

MATHEMATICS COMPUTATION AND APPLICATIONS

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	87	77
2	84	82
3	82	79
4	75	58
5	82	85
6	73	48
7	58	54
8	75	45
9	65	53
10	53	44
11	53	49
12	76	69
13	58	29
14	45	50
15	87	85
16	85	87
17	85	74
18	89	75
19	85	72
20	75	80
21	80	77
22	85	76
23	73	73
24	75	64
25	62	49
26	65	49
27	78	62
28	84	66
29	80	54
30	87	56
31	73	71
32	31	33

ITEM DIFFICULTY LEVELS

SAT - P1

LISTENING COMPREHENSION

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	65	91
2	91	82
3	89	86
4	78	68
5	31	82
6	65	70
7	82	85
8	78	76
9	82	77
10	69	84
11	65	64
12	56	57
13	60	48
14	58	60
15	71	61
16	56	57
17	85	65
18	85	71
19	69	74
20	69	75
21	49	73
22	87	62
23	71	37
24	71	45
25	49	53
26	73	69

ITEM DIFFICULTY LEVELS

SAT - P3

VOCABULARY

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	100	85
2	93	79
3	93	66
4	85	83
5	93	68
6	83	81
7	85	84
8	88	68
9	88	75
10	68	63
11	93	76
12	90	81
13	93	76
14	83	70
15	76	59
16	68	61
17	56	59
18	76	73
19	78	89
20	73	53
21	71	63
22	59	60
23	68	53
24	51	53
25	68	61
26	44	52
27	34	47
28	76	56
29	41	53
30	59	43
31	78	54
32	41	53
33	66	46
34	68	32

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

VOCABULARY

SPRING, 1975

(N = 55)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	76	44
36	78	46
37	51	46
38	46	42
39	29	36
40	34	38
41	54	48
42	46	30
43	51	35
44	54	41
45	32	16

ITEM DIFFICULTY LEVELS

SAT - P3

READING COMPREHENSION

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	88	91
2	90	87
3	93	67
4	41	78
5	29	87
6	88	91
7	68	84
8	88	92
9	98	90
10	78	85
11	73	90
12	100	88
13	80	81
14	93	76
15	80	84
16	88	81
17	76	60
18	73	60
19	93	89
20	83	85
21	88	68
22	71	67
23	61	69
24	71	86
25	93	59
26	68	80
27	83	72
28	78	69
29	34	64
30	71	82
31	83	80
32	22	61
33	59	72
34	61	84
35	68	26

ITEM DIFFICULTY LEVELS

SAT - P3

READING COMPREHENSION

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
36	71	56
37	90	62
38	46	61
39	98	43
40	83	65
41	68	49
42	80	52
43	80	65
44	76	74
45	39	72
46	51	58
47	44	60
48	46	61
49	80	59
50	83	54
51	59	58
52	51	65
53	63	49
54	78	64
55	59	56
56	54	58
57	76	49
58	59	61
59	61	17
60	85	63
61	51	41
62	44	40
63	27	58
64	41	44
65	51	43
66	54	66
67	39	45
68	46	58
69	56	50
70	49	35

ITEM DIFFICULTY LEVELS

SAT - P3

WORD STUDY SKILLS

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	59	62
2	49	58
3	85	77
4	63	74
5	85	72
6	59	76
7	61	64
8	41	41
9	27	46
10	34	44
11	27	57
12	20	32
13	68	79
14	71	65
15	85	87
16	66	73
17	78	85
18	61	80
19	39	56
20	59	36
21	56	69
22	34	66
23	44	73
24	66	66
25	44	64
26	51	64
27	24	94
28	44	63
29	61	45
30	27	39
31	34	61
32	20	69
33	29	70
34	32	45
35	39	36

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

WORD STUDY SKILLS

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
36	44	47
37	59	74
38	34	78
39	27	72
40	68	55
41	34	73
42	22	56
43	76	75
44	27	47
45	20	46
46	63	58
47	63	59
48	37	66
49	44	66
50	56	57
51	66	74
52	41	56
53	59	82
54	39	59
55	32	43

ITEM DIFFICULTY LEVELS
SAT - P3
MATHEMATICS CONCEPTS
SPRING, 1975
(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	41	84
2	54	70
3	51	28
4	76	59
5	59	59
6	44	44
7	49	75
8	76	73
9	68	66
10	44	48
11	39	51
12	76	41
13	32	43
14	34	65
15	88	50
16	66	49
17	46	37
18	59	40
19	44	60
20	51	69
21	51	47
22	12	34
23	73	71
24	29	42
25	51	56
26	49	57
27	41	37
28	37	33
29	44	45
30	29	60
31	71	52
32	44	38

ITEM DIFFICULTY LEVELS

SAT - P3

MATHEMATICS COMPUTATION

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	59	81
2	90	85
3	68	73
4	90	81
5	71	73
6	73	81
7	54	70
8	61	69
9	54	66
10	78	70
11	85	75
12	56	59
13	66	65
14	44	48
15	68	49
16	54	55
17	56	48
18	51	50
19	63	56
20	44	57
21	41	35
22	54	53
23	44	39
24	51	50
25	83	90
26	80	72
27	98	78
28	56	44
29	85	58
30	49	36
31	59	66
32	83	50
33	76	36
34	61	37
35	71	37
36	66	22

ITEM DIFFICULTY LEVELS

SAT - P3

MATHEMATICS APPLICATIONS

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	80	91
2	73	89
3	68	70
4	85	86
5	56	70
6	85	69
7	41	74
8	63	70
9	68	74
10	61	71
11	51	59
12	59	54
13	59	49
14	54	54
15	27	26
16	27	53
17	68	45
18	37	45
19	63	65
20	68	53
21	56	61
22	61	52
23	46	54
24	56	60
25	78	62
26	44	54
27	59	52
28	54	46

ITEM DIFFICULTY LEVELS

SAT - P3

SPELLING

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	80	93
2	83	87
3	83	80
4	80	85
5	80	73
6	93	88
7	83	79
8	93	81
9	78	79
10	93	66
11	78	79
12	71	72
13	78	71
14	76	65
15	80	61
16	59	73
17	76	61
18	83	68
19	78	65
20	59	69
21	68	63
22	80	69
23	73	56
24	68	67
25	66	59
26	88	61
27	76	71
28	80	57
29	71	74
30	66	59
31	56	72
32	71	61
33	80	70
34	56	48

ITEM DIFFICULTY LEVEL (cont'd)

SAT - P3

SPELLING

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	49	72
36	59	33
37	66	67
38	41	49
39	66	63
40	41	43
41	56	62
42	49	35
43	56	56
44	46	37
45	68	50
46	49	48
47	73	57

ITEM DIFFICULTY LEVELS

SAT - P3

LANGUAGE

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	32	47
2	29	48
3	68	45
4	51	76
5	41	47
6	41	43
7	56	34
8	17	40
9	78	86
10	85	82
11	88	70
12	73	70
13	73	77
14	78	79
15	41	66
16	4	37
17	37	74
18	71	55
19	34	72
20	73	53
21	73	37
22	68	65
23	32	44
24	41	70
25	68	57
26	78	63
27	51	67
28	49	72
29	71	69
30	61	78
31	32	53
32	63	42
33	76	40
34	24	46

ITEM DIFFICULTY LEVELS

SAT - P3

LANGUAGE

SPRING, 1975

N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	63	47
36	46	49
37	80	43
38	76	40
39	83	84
40	73	79
41	63	72
42	88	59
43	76	61
44	63	71
45	66	69
46	80	59
47	68	56
48	61	48
49	46	48
50	63	71
51	59	68
52	46	64
53	63	50
54	56	55
55	54	43

ITEM DIFFICULTY LEVELS

SAT - P3

SOCIAL SCIENCE

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	63	82
2	78	76
3	88	77
4	71	73
5	90	80
6	63	76
7	61	66
8	80	51
9	46	56
10	76	70
11	54	73
12	51	56
13	51	59
14	68	59
15	68	50
16	32	47
17	63	61
18	59	60
19	68	66
20	54	54
21	56	61
22	61	49
23	41	50
24	63	47
25	68	45
26	68	58
27	49	55
28	76	47
29	63	47
30	61	53
31	59	61
32	78	39
33	71	49
34	34	45

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

SOCIAL SCIENCE

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	56	63
36	61	35
37	46	55
38	54	59
39	73	35
40	27	43
41	20	53
42	39	27
43	39	39
44	37	42

ITEM DIFFICULTY LEVELS

SAT - P3

SCIENCE

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	95	77
2	85	82
3	68	75
4	66	79
5	66	59
6	56	60
7	41	61
8	73	56
9	63	63
10	63	58
11	76	82
12	24	67
13	59	57
14	54	41
15	71	52
16	56	60
17	41	62
18	63	71
19	56	67
20	63	70
21	52	52
22	32	43
23	34	58
24	29	34
25	51	42
26	34	60
27	29	57
28	24	59
29	49	37
30	59	51
31	66	47
32	44	50
33	34	53
34	39	46

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

SCIENCE

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	44	47
36	51	37
37	27	44
38	46	45
39	44	38
40	29	44
41	39	43
42	22	32

ITEM DIFFICULTY LEVELS

SAT - P3

LISTENING COMPREHENSION

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	80	89
2	61	77
3	61	68
4	76	78
5	88	77
6	63	83
7	83	60
8	59	59
9	41	51
10	51	40
11	37	67
12	78	85
13	76	79
14	68	74
15	61	83
16	44	45
17	71	66
18	54	64
19	59	54
20	39	51
21	56	77
22	54	64
23	63	53
24	68	51
25	66	86
26	71	74
27	78	66
28	76	46
29	68	55
30	41	66
31	27	76
32	46	64
33	59	40
34	76	73

ITEM DIFFICULTY LEVELS

SAT - P3

LISTENING COMPREHENSION

SPRING, 1975

(N = 41)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	46	55
36	66	70
37	68	63
38	32	72
39	41	41
40	54	75
41	49	51
42	27	23
43	61	54
44	41	50
45	20	45
46	5	39
47	24	44
48	63	61
49	34	48
50	41	20

ITEM DIFFICULTY LEVELS

SAT - I1

VOCABULARY

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	80	91
2	100	81
3	80	77
4	70	80
5	90	77
6	60	78
7	90	79
8	70	81
9	80	87
10	80	65
11	70	74
12	50	70
13	70	60
14	100	66
15	80	53
16	50	67
17	70	57
18	60	66
19	80	71
20	100	71
21	60	64
22	90	50
23	90	69
24	90	51
25	50	62
26	90	53
27	100	61
28	80	52
29	50	49
30	50	35
31	50	50
32	60	46
33	60	50
34	30	56

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

VOCABULARY

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	60	47
36	50	41
37	40	48
38	60	44
39	80	25
40	60	37
41	40	36
42	50	34
43	80	38
44	40	39
45	60	42
46	70	33
47	40	35
48	60	39
49	50	25
50	30	19

ITEM DIFFICULTY LEVELS

SAT - P3

READING COMPREHENSION

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	90	94
2	100	93
3	90	91
4	100	82
5	80	63
6	80	77
7	80	71
8	100	65
9	80	57
10	70	61
11	80	54
12	90	64
13	90	58
14	70	54
15	80	66
16	80	52
17	70	48
18	90	72
19	90	76
20	80	59
21	70	62
22	40	56
23	80	64
24	80	59
25	80	71
26	40	52
27	50	45
28	40	41
29	70	63
30	90	64
31	70	54
32	80	48
33	90	40
34	80	49

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

READING COMPREHENSION

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	30	30
36	90	65
37	60	55
38	70	52
39	50	40
40	20	29
41	60	20
42	60	32
43	50	64
44	50	51
45	60	50
46	60	50
47	60	48
48	10	37
49	70	44
50	60	50
51	70	47
52	50	45
53	30	34
54	90	28
55	80	40
56	70	42
57	30	32
58	40	43
59	50	29
60	30	22
61	30	21
62	20	25
63	20	29
64	60	19
65	20	26
66	30	20
67	50	23
68	50	24
69	30	20
70	50	24
71	30	15
72	20	16

ITEM DIFFICULTY LEVELS

SAT - II

WORD STUDY SKILLS

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	80	89
2	80	83
3	80	88
4	80	85
5	60	69
6	70	67
7	60	80
8	90	44
9	60	69
10	40	80
11	80	81
12	70	69
13	30	67
14	40	59
15	60	60
16	50	74
17	60	56
18	50	53
19	80	65
20	10	74
21	70	44
22	40	48
23	30	51
24	30	66
25	70	55
26	50	78
27	50	75
28	90	70
29	60	70
30	70	63
31	50	59
32	70	60
33	50	67
34	60	65

ITEM DIFFICULTY LEVELS

SAT - I1

WORD STUDY SKILLS

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	80	71
36	70	75
37	50	76
38	60	75
39	50	34
40	30	66
41	80	75
42	70	69
43	50	60
44	70	59
45	60	68
46	40	57
47	50	45
48	80	62
49	60	56
50	40	55
51	50	61
52	90	59
53	20	43
54	50	56
55	50	50

ITEM DIFFICULTY LEVELS

SAT - I1

MATHEMATICS CONCEPTS

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	90	69
2	90	68
3	80	70
4	70	63
5	30	55
6	60	58
7	50	62
8	80	67
9	60	68
10	60	65
11	60	53
12	50	56
13	40	38
14	70	55
15	50	76
16	30	59
17	60	55
18	40	47
19	50	31
20	30	34
21	20	47
22	50	37
23	50	44
24	50	36
25	60	47
26	40	33
27	40	45
28	30	33
29	50	40
30	30	33
31	30	37
32	60	28

EAGLE-A TYPE-ERASE 25% COTTON FIBER USA

ITEM DIFFICULTY LEVELS

SAT - I1

MATHEMATICS COMPUTATION

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	60	76
2	50	72
3	80	69
4	70	67
5	60	75
6	80	60
7	70	59
8	70	58
9	50	59
10	60	58
11	30	29
12	60	58
13	60	45
14	70	66
15	50	48
16	70	60
17	70	57
18	30	42
19	70	78
20	70	72
21	70	70
22	70	75
23	70	64
24	60	52
25	60	56
26	70	56
27	70	52
28	70	65
29	50	38
30	40	41
31	70	35
32	40	38
33	40	40
34	60	31

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

MATHEMATICS COMPUTATION

SPRING, 1975

(N = 40)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	30	30
36	80	45
37	60	36
38	90	37
39	70	36
40	40	24

ITEM DIFFICULTY LEVELS

SAT - I1

MATHEMATICS APPLICATIONS

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	90	86
2	90	86
3	80	77
4	80	60
5	60	74
6	70	90
7	50	82
8	60	88
9	60	78
10	80	74
11	80	64
12	70	64
13	70	91
14	80	77
15	70	80
16	60	67
17	40	73
18	50	73
19	60	71
20	50	46
21	80	55
22	80	60
23	50	54
24	50	59
25	60	52
26	70	52
27	40	59
28	70	36
29	60	60
30	60	52
31	30	41
32	80	49
33	40	46
34	50	36

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

MATHEMATICS APPLICATIONS

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	30	38
36	40	38
37	30	42
38	60	22
39	40	40
40	10	26

ITEM DIFFICULTY LEVELS

SAT - I1

SPELLING

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	60	84
2	100	74
3	90	73
4	80	68
5	70	71
6	80	67
7	100	67
8	80	57
9	80	75
10	80	74
11	90	74
12	70	67
13	80	59
14	90	67
15	90	62
16	80	73
17	70	72
18	70	56
19	90	71
20	70	54
21	90	71
22	50	65
23	60	59
24	50	44
25	70	51
26	70	54
27	60	56
28	20	58
29	50	53
30	50	60
31	40	50
32	40	52
33	80	45
34	40	43

ITEM DIFFICULTY LEVELS (cont'd)

SAT - II

SPELLING

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	60	49
36	60	43
37	50	47
38	40	48
39	40	52
40	50	47
41	70	32
42	40	43
43	30	38
44	40	45
45	70	45
46	40	36
47	50	36
48	50	28
49	30	39
50	60	31

ITEM DIFFICULTY LEVELS

SAT - I1

LANGUAGE

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	40	62
2	30	51
3	30	36
4	40	46
5	50	44
6	10	81
7	60	56
8	90	83
9	20	49
10	40	51
11	60	69
12	60	40
13	80	42
14	40	74
15	60	56
16	50	70
17	30	46
18	60	27
19	80	62
20	50	43
21	80	47
22	70	58
23	40	64
24	30	37
25	80	75
26	10	27
27	30	63
28	40	52
29	10	42
30	50	30
31	70	50
32	50	57
33	90	50
34	50	59

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

LANGUAGE

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	80	49
36	70	49
37	50	39
38	80	46
39	50	41
40	50	26
41	30	27
42	40	30
43	30	57
44	10	60
45	30	50
46	30	48
47	20	50
48	0	41
49	40	64
50	50	60
51	30	56
52	70	59
53	40	53
54	60	53
55	90	47
56	30	49
57	50	60
58	40	40
59	60	57
60	40	45
61	40	49
62	60	44
63	80	45
64	30	41
65	10	39
66	50	34
67	40	30
68	50	31

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

LANGUAGE

SPRING, 1975

(N - 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
69	70	41
70	70	52
71	60	52
72	60	58
73	50	58
74	20	42
75	40	54
76	10	44
77	70	42
78	70	26
79	20	23

ITEM DIFFICULTY LEVELS

SAT - I1

SOCIAL SCIENCE

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	80	77
2	60	64
3	100	82
4	90	83
5	100	74
6	60	74
7	50	72
8	60	64
9	60	68
10	50	64
11	60	69
12	90	59
13	60	55
14	80	66
15	50	44
16	60	65
17	60	67
18	60	44
19	30	40
20	50	42
21	60	45
22	50	57
23	70	42
24	50	47
25	80	43
26	30	41
27	50	43
28	60	43
29	30	37
30	70	38
31	60	40
32	30	42
33	50	29
34	30	36

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

SOCIAL SCIENCE

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	10	40
36	40	32
37	20	34
38	30	50
39	40	59
40	20	41
41	40	38
42	50	24
43	40	65
44	50	60
45	10	56
46	60	42
47	40	41
48	50	46
49	50	46
50	70	50
51	50	44
52	50	49
53	40	33
54	50	35
55	90	50
56	80	42
57	80	37
58	40	30
59	80	29
60	40	27

ITEM DIFFICULTY LEVELS

SAT - II

SCIENCE

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	80	71
2	80	74
3	80	56
4	50	70
5	80	58
6	100	62
7	80	54
8	80	55
9	90	48
10	90	65
11	40	53
12	50	61
13	50	48
14	70	60
15	80	38
16	70	57
17	90	29
18	90	39
19	40	52
20	70	47
21	50	54
22	60	55
23	80	50
24	40	49
25	60	42
26	80	49
27	70	33
28	70	35
29	70	46
30	50	41
31	60	47
32	60	47
33	80	46
34	60	33

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

SCIENCE

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	40	50
36	70	35
37	60	42
38	90	41
39	80	36
40	70	51
41	60	50
42	50	51
43	30	46
44	10	30
45	20	44
46	20	34
47	40	38
48	70	56
49	40	41
50	60	35
51	40	32
52	50	26
53	20	31
54	40	31
55	10	28
56	40	26
57	10	35
58	30	28
59	20	38
60	40	31

ITEM DIFFICULTY LEVELS

SAT - I1

LISTENING COMPREHENSION

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	40	66
2	70	89
3	50	76
4	50	62
5	50	82
6	40	80
7	50	76
8	30	50
9	30	73
10	30	57
11	40	63
12	40	50
13	50	83
14	60	46
15	40	44
16	40	33
17	50	49
18	20	37
19	50	51
20	60	63
21	70	64
22	30	88
23	40	68
24	40	84
25	40	68
26	30	86
27	30	64
28	60	66
29	40	66
30	30	43
31	50	71
32	30	43
33	40	55
34	20	59

ITEM DIFFICULTY LEVELS

SAT - I1

LISTENING COMPREHENSION

SPRING, 1975

(N = 10)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	30	35
36	30	70
37	40	58
38	30	42
39	40	61
40	50	67
41	40	72
42	30	80
43	30	67
44	20	69
45	50	58
46	30	67
47	50	61
48	40	85
49	60	56
50	50	50

ITEM DIFFICULTY LEVELS

SESAT - 2

ENVIRONMENT

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	94	
2	100	
3	94	
4	100	
5	79	
6	97	
7	82	
8	91	
9	91	
10	91	
11	91	
12	71	
13	71	
14	65	
15	79	
16	62	
17	68	
18	76	
19	79	
20	88	
21	50	
22	68	
23	59	
24	76	
25	65	
26	74	
27	47	
28	62	
29	71	
30	71	
31	65	
32	74	
33	50	
34	56	

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

ENVIRONMENT

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	44	
36	71	
37	59	
38	8	
39	44	

ITEM DIFFICULTY LEVELS

SESAT - 2

MATHEMATICS

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	94	
2	91	
3	88	
4	88	
5	79	
6	97	
7	94	
8	82	
9	85	
10	74	
11	85	
12	82	
13	56	
14	74	
15	59	
16	88	
17	71	
18	76	
19	74	
20	53	
21	32	
22	74	
23	24	
24	38	
25	97	
26	91	
27	88	
28	76	
29	74	
30	74	
31	82	
32	71	
33	65	
34	59	

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

MATHEMATICS

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	65	
36	71	
37	38	
38	68	
39	44	
40	50	
41	29	
42	94	
43	85	
44	76	
45	85	
46	74	
47	71	
48	68	
49	68	
50	68	
51	74	
52	74	
53	76	
54	74	
55	71	

ITEM DIFFICULTY LEVELS

SESAT - 2

LETTERS AND SOUNDS

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	97	
2	97	
3	94	
4	94	
5	97	
6	91	
7	97	
8	94	
9	97	
10	97	
11	97	
12	82	
13	79	
14	100	
15	91	
16	97	
17	94	
18	97	
19	88	
20	94	
21	91	
22	79	
23	82	
24	85	
25	82	
26	85	
27	94	
28	76	
29	82	
30	91	
31	79	
32	85	
33	85	
34	82	

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

LETTERS AND SOUNDS

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	65	
36	65	
37	53	
38	65	
39	68	
40	65	
41	65	

ITEM DIFFICULTY LEVELS

SESAT - 2

AURAL COMPREHENSION

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	85	
2	91	
3	74	
4	85	
5	79	
6	88	
7	94	
8	88	
9	76	
10	88	
11	68	
12	82	
13	79	
14	50	
15	56	
16	35	
17	68	
18	44	
19	85	
20	71	
21	38	
22	50	
23	44	
24	50	
25	50	
26	24	
27	35	

ITEM DIFFICULTY LEVELS

SESAT - 2

WORD READING

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	97	
2	91	
3	88	
4	97	
5	85	
6	91	
7	91	
8	91	
9	85	
10	85	
11	91	
12	82	
13	97	
14	85	
15	74	
16	82	
17	85	
18	56	
19	79	
20	76	
21	82	
22	74	
23	85	
24	85	
25	85	
26	56	
27	91	
28	88	
29	59	
30	43	
31	76	
32	71	
33	79	
34	68	

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

WORD READING

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	79	
36	76	
37	76	
38	68	
39	56	
40	62	
41	65	
42	62	
43	47	
44	62	
45	79	
46	76	
47	65	
48	68	
49	47	
50	59	
51	47	
52	62	
53	50	
54	56	
55	41	
56	59	
57	32	
58	68	

ITEM DIFFICULTY LEVELS

SESAT - 2

SENTENCE READING

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
1	65	
2	68	
3	65	
4	44	
5	26	
6	50	
7	32	
8	44	
9	38	
10	35	
11	26	
12	53	
13	35	
14	44	
15	44	
16	62	
17	41	
18	62	
19	44	
20	21	
21	38	
22	41	
23	29	
24	50	
25	26	
26	59	
27	47	
28	56	
29	44	
30	38	
31	44	
32	44	
33	35	
34	41	

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

SENTENCE READING

SPRING, 1975

(N = 34)

ITEM	EMR DIFFICULTY	NORMAL DIFFICULTY
35	18	
36	32	
37	24	
38	44	
39	41	

APPENDIX J

RAW DATA RESULTS:

ARBITRARY CONTENT SUBDIVISION

(SPRING, 1975)

Date Spring, 1975

Subtest Name Environment

Age Group All Ages

Subtest Area Personal Surroundings

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
38	27	13	4
	39	22	5
		25	8
			10
			11
			15
			20
			24

Date Spring, 1975

Subtest Name Environment

Age Group All Ages

Subtest Area Natural

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	33	16	1
	35	28	3
		31	6
		32	9
		34	18
		36	

Date Spring, 1975
Subtest Name Environment
Age Group All Ages
Subtest Area Animals
Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	21	12	2
	26	14	7
		17	19
		23	
		30	

Date Spring, 1975
Subtest Name Mathematics
Age Group All Ages
Subtest Area Measurement
Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		17	1
		19	5
		22	6
			7
			9
			12
			16

Date Spring, 1975

Subtest Name Mathematics

Age Group All Ages

Subtest Area Counting

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	24	13	2
	39	15	3
		20	4
			18
			25

Date Spring, 1975

Subtest Name Mathematics

Age Group All Ages

Subtest Area Addition

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	21	14	8
	37	29	11
		30	26
		32	27
		36	28
		38	31
		46	42
		47	43
		48	44
		49	45

Date Spring, 1975

Subtest Name Mathematics

Age Group All Ages

Subtest Area Subtraction

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23	40	10	53
41		33	
		34	
		35	
		50	
		51	
		52	
		54	
		55	

Date Spring, 1975

Subtest Name Letters & Sounds

Age Group All Ages

Subtest Area Recognizing Upper & Lower Case Letters

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%	
			1	11
			2	12
			3	13
			4	
			5	
			6	
			7	
			8	
			9	
			10	

Date Spring, 1975

Subtest Name Letters & Sounds

Age Group All Ages

Subtest Area Beginning Sounds

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		35	14 24
			15 25
			16 26
			17 27
			18 28
			19 29
			20 30
			21 31
			22 32
			23 33
			34

Date Spring, 1975

Subtest Name Aural Comprehension

Age Group All Ages

Subtest Area Interpret

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18	11	2
	24	17	4
	25	20	5
	27		6

Date Spring, 1975

Subtest Name Aural Comprehension

Age Group All Ages

Subtest Area Retain

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	14	3	1
	16	15	7
	21		8
	22		9
	23		10
	26		12
			13
			19

Date Spring, 1975

Subtest Name Word Reading

Age Group All Ages

Subtest Area Words Read for Pupils to Identify

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	30	15 42 54	1 11 24
		18 43 56	2 12 25
		22 44 58	3 13 27
		26 47	4 14 28
		29 48	5 16 31
		32 49	6 17 33
		34 50	7 19 35
		39 51	8 20 36
		40 52	9 21 37
		41 53	10 23 38
			45 46

Date Spring, 1975

Subtest Name Sentence Reading

Age Group All Ages

Subtest Area Subject

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	8 38	3	
	9 39	12	
	10	18	
	13	28	
	19		
	23		
	27		
	29		
	31		
	34		

Date Spring, 1975

Subtest Name Sentence Reading

Age Group All Ages

Subtest Area Subject and Number

Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7	1	
	15	2	
	21		
	22		
	25		

Date Spring, 1975
Subtest Name Sentence Reading
Age Group All Ages
Subtest Area Number and Tense
Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	4	16	
	32		
	33		

Date Spring, 1975
Subtest Name Sentence Reading
Age Group All Ages
Subtest Area Tense
Test Level SESAT - II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
35	5	26	
37	6		
	11		
	14		
	17		
	24		
	36		

Date Spring, 1975

Subtest Name Vocabulary

Age Group All Ages

Subtest Area Nouns

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		20	3
		27	6
		31	7
			9
			10
			11
			13
			15
			29

Date Spring, 1975

Subtest Name Vocabulary

Age Group All Ages

Subtest Area Verbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	35	24	12
	36	28	14
		37	19
			33

Date Spring, 1975

Age Group All Ages

Test Level Primary I

Subtest Name Vocabulary

Subtest Area Adjectives and Adverbs

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		21	1
		22	2
		23	4
		25	5
		26	8
		30	16
		32	17
		34	18

Date Spring, 1975

Age Group All Ages

Test Level Primary I

Subtest Name Reading-Part A

Subtest Area Main Idea

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			1
			4
			8
			10
			13
			16
			19
			22
			25
			28
			31
			34
			37
			38
			40
			43

Date Spring, 1975
Subtest Name Reading - Part A
Age Group All Ages
Subtest Area Secondary Idea
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		20 30 36 39	2 6 9 11 12 14 15 17 21 23 24 26 29 32 35 41 42

Date Spring, 1975
Subtest Name Reading - Part A
Age Group All Ages
Subtest Area Action
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		18 33 45	3 5 7 27 42

Date Spring, 1975
Subtest Name Reading - Part B
Age Group All Ages
Subtest Area Nouns
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%	
		24	1	19
		28	4	25
		31	5	27
		39	8	33
		42	10	34
			11	40
			12	41
			13	
			15	
			16	

Date Spring, 1975
Subtest Name Reading - Part B
Age Group All Ages
Subtest Area Verbs
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		18	2
		37	3
			7
			17
			21
			23
			26

Date Spring, 1975	Subtest Name Reading - Part B
Age Group All Ages	Subtest Area Adjectives or Adverbs
Test Level Primary I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		14	6
		30	9
		32	20
		35	22
		38	29
			36

Date Spring, 1975	Subtest Name Word Study Skills
Age Group All Ages	Subtest Area Sight Words
Test Level Primary I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			24
			40

Date Spring, 1975

Subtest Name Word Study Skills

Age Group All Ages

Subtest Area Initial Consonant

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			1 2 3 4 5

Date Spring, 1975

Subtest Name Word Study Skills

Age Group All Ages

Subtest Area Final Consonant

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			6 7

Date Spring, 1975

Subtest Name Word Study Skills

Age Group All Ages

Subtest Area Initial Consonant Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		22	11
			12
			13
			14
			15
			21
			46
			47

Date Spring, 1975

Subtest Name Word Study Skills

Age Group All Ages

Subtest Area Final Consonant Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		9	8
		18	10
		49	16
			17
			19
			20
			23
			25
			48
			50

Date Spring, 1975

Subtest Name Word Study Skills

Age Group All Ages

Subtest Area Final Vowel Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		27 30 31 39 42 43 44 52 54 55 56 58 59	26 28 29 32 33 34 35 36 37 38 41 45 51 53 57 60

Date Spring, 1975

Subtest Name Mathematics Concepts

Age Group All Ages

Subtest Area Measurement

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	29	9 11 17 19 28	6 7 18 23

Date Spring, 1975
Subtest Name Mathematics Concepts
Age Group All Ages
Subtest Area Counting
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	12	8	1
	21	10	2
	24	14	3
	25	16	4
	27	20	5
	30	22	13
	31	26	15

Date Spring, 1975
Subtest Name Mathematics Computation & Applications
Age Group All Ages
Subtest Area Addition
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	14	4	1
		6	2
		8	3
		9	15
		11	16
		25	17
		26	27
			28
			29
			30

Date Spring, 1975
Subtest Name Mathematics Computations and Applications
Age Group All Ages
Subtest Area Subtraction
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	32	7 10 13 20 23 24 31	5 12 18 19 21 22

Date Spring, 1975
Subtest Name Listening Comprehension
Age Group All Ages
Subtest Area
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	5	1 6 10 11 12 13 14 15 16 19 20 23 24 26	2 3 4 7 8 9 17 18 22

Date Spring, 1975	Subtest Name Vocabulary
Age Group All Ages	Subtest Area Nouns
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	27	17	2
	32	20	6
	42		8
	45		11
			12
			13
			14
			18
			35
			36

Date Spring, 1975	Subtest Name Vocabulary
Age Group All Ages	Subtest Area Verbs
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	29	21	1
		22	7
		25	15
		30	19
			31

Date Spring, 1975

Subtest Name Vocabulary

Age Group All Ages

Subtest Area Adjectives & Adverbs

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	26	10	3
	38	16	4
	39	23	5
	40	24	28
		33	
		34	
		37	
		41	
		43	
		44	

Date Spring, 1975

Subtest Name Reading Comprehension

Age Group All Ages

Subtest Area

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
32	4 67	7 35 59	1 15 37 60
	5 68	11 36 61	2 16 39
	29 70	18 41 65	3 17 40
	38	22 46 66	6 19 42
	45	23 51 69	8 20 43
	47	24 52	9 21 44
	48	26 53	10 25 49
	62	30 55	12 27 50
	63	33 56	13 28 54
	64	34 58	14 31 57

Date Spring, 1975

Subtest Name Word Study Skills-Part A

Age Group All Ages

Subtest Area Beginning Sounds

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	2	1	3
	8	4	5
	9	6	
	10	7	
	11		
	12		

Date Spring, 1975

Subtest Name Word Study Skills-Part B

Age Group All Ages

Subtest Area Ending Sounds

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	19	13	15
	22	14	17
	23	16	
	24	18	
		20	
		21	

Date Spring, 1975

Subtest Name Word Study Skills-Part C

Age Group All Ages

Subtest Area Medial Sound

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%		Moderate 51 - 75%	Good 76 - 100%
27	28	44	25	43
32	30	48	26	
42	31	49	29	
45	33	52	37	
	34	54	40	
	35	55	46	
	36		47	
	38		50	
	39		51	
	41		53	

Date Spring, 1975

Subtest Name Mathematics Concepts

Age Group All Ages

Subtest Area Counting

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	1	3	4
	6	5	8
	7	16	12
	14	20	
	18	25	
	26	31	
	27		
	28		

Date Spring, 1975	Subtest Name Mathematics Concepts
Age Group All Ages	Subtest Area Addition
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11 13 32	2	15

Date Spring, 1975	Subtest Name Mathematics Concepts
Age Group All Ages	Subtest Area Multiplication
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	24	9 21 23	

Date Spring, 1975
Subtest Name Mathematics Concepts
Age Group All Ages
Subtest Area Measurement
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	10		
	17		
	29		
	30		

Date Spring, 1975
Subtest Name Mathematics Concepts
Age Group All Ages
Subtest Area Subtraction
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22	19		

Date Spring, 1975

Subtest Name Mathematics Computation-Part A

Age Group All Ages

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		1 3 5	2 4

Date Spring, 1975

Subtest Name Mathematics Computation-Part A

Age Group All Ages

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		6 7 8 9	10

Date Spring, 1975

Age Group All Ages

Test Level Primary III

Subtest Name Mathematics Computations-Part A

Subtest Area Multiplication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	22	13	11
		15	
		17	
		19	
		20	

Date Spring, 1975

Age Group All Ages

Test Level Primary III

Subtest Name Mathematics Computation-Part A

Subtest Area Division

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	14	12	
	21	16	
	23	18	
		24	

Date Spring, 1975

Subtest Name Mathematics Computation-Part A

Age Group All Ages

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			25 26 29

Date Spring, 1975

Subtest Name Mathematics Computations-Part B

Age Group All Ages

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	30	28	27

Date Spring, 1975
Subtest Name Mathematics Computations-Part B
Age Group All Ages
Subtest Area Division
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		31 34	

Date Spring, 1975
Subtest Name Mathematics Computation-Part B
Age Group All Ages
Subtest Area Multiplication
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		35 36	32 33

Date Spring, 1975

Subtest Name Mathematics Applications

Age Group All Ages

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		8	1
		9	5
		10	
		17	
		20	
		22	

Date Spring, 1975

Subtest Name Mathematics Applications

Age Group All Ages

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		2	4
		24	
		28	

Date Spring, 1975

Subtest Name Mathematics Computations

Age Group All Ages

Subtest Area Addition & Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23		26

Date Spring, 1975

Subtest Name Mathematics Computations

Age Group All Ages

Subtest Area Multiplication

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18	3 11 12 14 19 21 27	

Date Spring, 1975
Subtest Name Mathematics Applications
Age Group All Ages
Subtest Area Counting
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7		6

Date Spring, 1975
Subtest Name Mathematics Applications
Age Group All Ages
Subtest Area Division
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		13	

Date Spring, 1975
Subtest Name Mathematics Applications
Age Group All Ages
Subtest Area Measurement
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	15		25
	16		

Date Spring, 1975
Subtest Name Spelling
Age Group All Ages
Subtest Area Spelling
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%		Good 76 - 100%		
	35	12	32	1	11	28
	38	16	34	2	13	33
	40	20	36	3	14	
	42	21	37	4	15	
	44	23	39	5	17	
	46	24	41	6	18	
		25	43	7	19	
		29	45	8	22	
		30	47	9	26	
		31		10	27	

Date Spring, 1975

Subtest Name Language - Part A

Age Group All Ages

Subtest Area Capitalization

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8	1	4	9
	17	18	10
	31	29	14

Date Spring, 1975

Subtest Name Language - Part A

Age Group All Ages

Subtest Area Punctuation

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
16	2	3	
34	6	7	
	15	12	

Date Spring, 1975
Subtest Name Language - Part A
Age Group All Ages
Subtest Area Complete Sentences
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	5		

Date Spring, 1975
Subtest Name Language - Part A
Age Group All Ages
Subtest Area Contraction
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23	22 25 30	11

Date Spring, 1975

Subtest Name Language - Part A

Age Group All Ages

Subtest Area Parts of Speech

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		13	
		21	

Date Spring, 1975

Subtest Name Language - Part A

Age Group All Ages

Subtest Area Parts of Speech

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	19	20	26
	24	27	33
	28	32	37
	36	35	38

Date Spring, 1975

Subtest Name Language - Part B

Age Group All Ages

Subtest Area Verb

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		44	39
		45	46
		47	

Date Spring, 1975

Subtest Name Language - Part B

Age Group All Ages

Subtest Area Noun

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		40	42

Date Spring, 1975	Subtest Name Language - Part B
Age Group All Ages	Subtest Area Connection
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		41 48	

Date Spring, 1975	Subtest Name Language - Part B
Age Group All Ages	Subtest Area Adjectives
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			43

Date Spring, 1975
Subtest Name Language - Part B
Age Group All Ages
Subtest Area Adverb
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	49		

Date Spring, 1975
Subtest Name Language - Part B
Age Group All Ages
Subtest Area Phrases
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	52	50 51 53 54 55	

Date Spring, 1975

Subtest Name Social Science

Age Group All Ages

Subtest Area Geography

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
41	9	1	32
	16	6	
	34	11	
	40	20	
	42	33	
		35	
		36	
		39	

Date Spring, 1975

Subtest Name Social Science

Age Group All Ages

Subtest Area History

Test Level Prim[illegible] III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	43	4	2
		7	10
		13	
		15	
		17	
		18	
		38	

Date Spring, 1975
Subtest Name Social Science
Age Group All Ages
Subtest Area Government
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23	12	3
	37	14	5
	44	21	8
		31	

Date Spring, 1975
Subtest Name Social Science
Age Group All Ages
Subtest Area Economics
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	27	19	28
		22	
		24	
		25	
		26	
		29	
		30	

Date Spring, 1975
Subtest Name Science
Age Group All Ages
Subtest Area Biology
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28	17	3 19	
42	27	4 20	
	29	5	
	40	6	
	41	9	
		10	
		13	
		14	
		15	
		18	

Date Spring, 1975
Subtest Name Science
Age Group All Ages
Subtest Area Astronomy
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	41		1
			11

Date Spring, 1975

Subtest Name Science

Age Group All Ages

Subtest Area Physics

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7	16	2
	26	25	
	37		
	39		
	23		
	24		

Date Spring, 1975

Subtest Name Science

Age Group All Ages

Subtest Area Chemistry

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
42	38	8	
	33	20	
	34	21	
		36	

Date Spring, 1975

Subtest Name Listening Comprehension

Age Group All Ages

Subtest Area

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%		Moderate 51 - 75%			Good 76 - 100%
45	9	41	2	21	40	1
	11	42	3	22	43	4
	16	44	6	23	48	5
	20	49	8	24		7
	30	50	10	23		12
	31		14	26		13
	32		15	29		27
	35		17	33		28
	38		18	36		34
	39		19	37		

Date Spring, 1975

Subtest Name Vocabulary

Age Group All Ages

Subtest Area Nouns

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	25	4	9
	29	6	14
	31	17	19
	36	38	39
	41	40	
	42		

Date Spring, 1975
Subtest Name Vocabulary
Age Group All Ages
Subtest Area Verbs
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	12	8	1
	16	11	2
	30	18	5
	34	21	20
	37	33	23
		35	28
		46	

Date Spring, 1975
Subtest Name Vocabulary
Age Group All Ages
Subtest Area Adjectives & Adverbs
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	44	13	3
	47	32	7
	50		10
			15
			22
			24
			26
			27
			43

Date Spring, 1975

Subtest Name Reading Comprehension

Age Group All Ages

Subtest Area

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%			Moderate 51 - 75%		Good 76 - 100%		
40	22	57	71	10	45	1	12	30
48	26	58		14	46	2	13	32
62	27	59		17	47	3	15	33
63	28	60		21	49	4	16	34
65	35	61		29	51	5	18	36
72	39	66		31	56	6	19	54
	43	67		37	64	7	20	55
	44	68		38		8	23	
	52	69		41		9	24	
	53	70		42		11	25	

Date Spring, 1975

Subtest Name Word Study Skills

Age Group All Ages

Subtest Area Phonetic Analysis Part A

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	10	5	1
	13	6	2
	14	7	3
	16	9	4
	18	12	8
	22	15	11
	23	17	19
	24	21	
		25	

Date Spring, 1975

Subtest Name Word Study Skills

Age Group All Ages

Subtest Area Structural Analysis-Part B

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%		Moderate 51 - 75%	Good 76 - 100%
53	26	50	29	28
	27	51	30	35
	31	54	32	41
	33	55	34	48
	37		36	52
	39		38	52
	40		42	
	43		44	
	46		45	
	47		49	

Date Spring, 1975

Subtest Name Mathematics Concepts

Age Group All Ages

Subtest Area Counting

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	22	4	3
	31		8

Date Spring, 1975
Subtest Name Mathematics Concepts
Age Group All Ages
Subtest Area Addition
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7	6	1
	12	9	2
	28	11	
		25	

Date Spring, 1975
Subtest Name Mathematics Concepts
Age Group All Ages
Subtest Area Multiplication
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	16		
	26		

Date Spring, 1975	Subtest Name Mathematics Concepts
Age Group All Ages	Subtest Area Subtraction
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23 27	10	

Date Spring, 1975	Subtest Name Mathematics Concepts
Age Group All Ages	Subtest Area Measurement
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	13 15 24 29	14 32	

Date Spring, 1975
Subtest Name Mathematics Concepts
Age Group All Ages
Subtest Area Fraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	19 20	17	

Date Spring, 1975
Subtest Name Mathematics Concepts
Age Group All Ages
Subtest Area Division
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18 30		

Date Spring, 1975

Subtest Name Mathematics Computations Part A

Age Group All Ages

Subtest Area Addition

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	2	1 17	

Date Spring, 1975

Subtest Name Mathematics Computation-Part A

Age Group All Ages

Subtest Area Multiplication

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	15	5 7 12 14 16	6

Date Spring, 1975
Subtest Name Mathematics Concepts Part A
Age Group All Ages
Subtest Area Division
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	9	8	
	11	10	
	18		

Date Spring, 1975
Subtest Name Mathematics Concepts - Part A
Age Group All Ages
Subtest Area Subtraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		4	
		13	

Date Spring, 1975	Subtest Name Mathematics Computation-Part B
Age Group All Ages	Subtest Area Addition
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		19	36
		21	38
		22	

Date Spring, 1975	Subtest Name Mathematics Computation-Part B
Age Group All Ages	Subtest Area Multiplication
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	33	20	
	35	23	
	40	28	
		34	

Date Spring, 1975	Subtest Name Mathematics Computation-Part B
Age Group All Ages	Subtest Area Division
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	30	26	
	32	27	
		31	
		39	

Date Spring, 1975	Subtest Name Mathematics Computation-Part B
Age Group All Ages	Subtest Area Subtraction
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		24	
		25	
		29	
		37	

Date Spring, 1975
Subtest Name Mathematics Applications
Age Group All Ages
Subtest Area Addition
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7	6	1
	17	8	2
	31	9	4
	34	12	21
	36		22
	39		32

Date Spring, 1975
Subtest Name Mathematics Applications Part A
Age Group All Ages
Subtest Area Subtraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18	19	10
	20	29	14
	24	38	

Date Spring, 1975
Subtest Name Mathematics Applications
Age Group All Ages
Subtest Area Multiplication
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	33	28	3
	35		

Date Spring, 1975
Subtest Name Mathematics Applications
Age Group All Ages
Subtest Area Division
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
40	23	5	11
	27	16	
	37	25	
		26	
		30	

Date Spring, 1975
Subtest Name Mathematics Applications
Age Group All Ages
Subtest Area Measurement
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		13	
		15	

Date Spring, 1975
Subtest Name Spelling - Part A
Age Group All Ages
Subtest Area Mispelled Words in Phrases
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		1	2
		5	3
			4
			6
			7
			8

Date Spring, 1975
Subtest Name Spelling - Part B
Age Group All Ages
Subtest Area Mispelled Words in Phrases
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%		Moderate 51 - 75%		Good 76 - 100%
28	22	40	12	41	9
	24	42	17	45	10
	29	43	18	50	11
	30	44	20		13
	31	46	23		14
	32	47	25		15
	34	48	26		16
	37	49	27		19
	38		35		21
	39		36		33

Date Spring, 1975
Subtest Name Language - Part A
Age Group All Ages
Subtest Area Capitalization
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
29	17	12	8
	30	31	19
			21

Date Spring, 1975
Subtest Name Language - Part A
Age Group All Ages
Subtest Area Punctuation
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6 9	1 3 5 10 20		

Date Spring, 1975
Subtest Name Language - Part A
Age Group All Ages
Subtest Area Contraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23 24		

Date Spring, 1975	Subtest Name Language - Part A
Age Group All Ages	Subtest Area Parts of Speech
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26	32	7	33
	37	36	35
	40		
	41		
	42		

Date Spring, 1975	Subtest Name Language - Part A
Age Group All Ages	Subtest Area Tense
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	2	11	13
	4	15	25
	14	18	38
	16	22	
	27		
	28		
	34		
	39		

Date Spring, 1975

Age Group All Ages

Test Level Intermediate I

Subtest Name Language - Part B

Subtest Area Completing the Sentences with Phrases

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
44 47 48	43 45 46		

Date Spring, 1975

Age Group All Ages

Test Level Intermediate I

Subtest Name Language - Part C

Subtest Area Completion of Sentences with Words

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
65	49 50 51 53 56 57 58 60 61 64 66 67 68	52 54 59 62 69	55 63

Date Spring, 1975
Subtest Name Language - Part D
Age Group All Ages
Subtest Area
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
74	73	70	
76	75	71	
79		72	
		77	
		78	

Date Spring, 1975
Subtest Name Social Science
Age Group All Ages
Subtest Area Geography
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
40	10 48	9	4
45	15	16	12
	22	17	
	27	47	
	38		
	39		
	41		
	42		
	43		
	44		

Date Spring, 1975	Subtest Name Social Science
Age Group All Ages	Subtest Area History
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
37	7 24 26 29 32 34 36	21	25

Date Spring, 1975	Subtest Name Social Science
Age Group All Ages	Subtest Area Government
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
35	51 49 52 53 54	2 6 11 28 30	

Date Spring, 1975
Subtest Name Social Science
Age Group All Ages
Subtest Area Economics
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	19	8	1
	20	13	3
	33	18	5
	46	23	14
	58	31	55
	60	50	56
			57
			59

Date Spring, 1975
Subtest Name Science
Age Group All Ages
Subtest Area Biology
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
44	12	14	1
45	19	34	6
46	30	39	7
53	35		10
55	43		
57	51		
59	54		
	60		

Date Spring, 1975
Subtest Name Science
Age Group All Ages
Subtest Area Astronomy
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11 47	32	17

Date Spring, 1975
Subtest Name Science
Age Group All Ages
Subtest Area Physics
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	49 56	50	38

Date Spring, 1975

Subtest Name Science

Age Group All Ages

Subtest Area Chemistry

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	4	16 41	3
	13	22 48	5
	21	25	8
	24	27	9
	42	28	15
	52	29	18
	58	31	23
		36	26
		37	33
		40	

Date Spring, 1975

Subtest Name Science

Age Group All Ages

Subtest Area Matter

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		20	2

Date Spring, 1975

Subtest Name Listening Comprehension

Age Group All Ages

Subtest Area

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor	Fair	Moderate	Good
0 - 25%	26 - 50%	51 - 75%	76 - 100%

Test consists of 50 items measuring the ability to comprehend spoken communication.

Date

Subtest Name

Age Group

Subtest Area

Test Level

Items Which Fell Into Various Performance Levels

Poor	Fair	Moderate	Good
0 - 25%	26 - 50%	51 - 75%	76 - 100%

APPENDIX K

RAW DATA RESULTS:
ITEM DIFFICULTY LEVELS
SPRING, 1976

ITEM DIFFICULTY LEVELS
SESAT - 1
ENVIRONMENT
SPRING, 1976
(N = 4)

Item	Elem. EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75			
2	75			
3	100			
4	100			
5	75			
6	75			
7	75			
8	75			
9	75			
10	100			
11	100			
12	75			
13	100			
14	25			
15	75			
16	75			
17	75			
18	50			
19	100			
20	75			
21	75			
22	100			
23	75			
24	100			
25	75			
26	25			
27	100			

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 1

ENVIRONMENT

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
28	75			
29	75			
30	50			
31	25			
32	25			
33	75			
34	50			
35	50			
36	75			
37	25			
38	58			
39	75			
40	75			
41	75			
42	50			

ITEM DIFFICULTY LEVELS

SESAT - 1

MATHEMATICS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75			
2	100			
3	75			
4	100			
5	50			
6	100			
7	50			
8	50			
9	25			
10	50			
11	75			
12	75			
13	100			
14	75			
15	50			
16	50			
17	75			
18	75			
19	0			
20	50			
21	50			
22	50			
23	25			
24	50			
25	25			
26	0			
27	100			
28	25			

ITEM DIFFICULTY LEVELS

SESAT - 1

LETTERS AND SOUNDS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100			
2	100			
3	100			
4	75			
5	100			
6	25			
7	100			
8	100			
9	100			
10	100			
11	100			
12	100			
13	100			
14	100			
15	100			
16	100			
17	50			
18	100			
19	100			
20	75			
21	75			
22	100			
23	100			
24	25			
25	25			
26	75			
27	100			
28	75			

ITEM DIFFICULTY LEVELS

SESAT - 1

AURAL COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75			
2	100			
3	50			
4	100			
5	100			
6	75			
7	75			
8	75			
9	75			
10	25			
11	100			
12	100			
13	75			
14	0			
15	75			
16	25			
17	100			
18	50			
19	50			
20	50			
21	75			
22	75			
23	100			
24	25			
25	25			
26	25			
27	50			
28	50			

ITEM DIFFICULTY LEVELS

SESAT - 2

ENVIRONMENT

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
35	50	75		
36	50	100		
37	0	75		
38	25	50		
39	25	50		

ITEM DIFFICULTY LEVELS

SESAT - 2

ENVIRONMENT

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100		
2	100	100		
3	100	100		
4	100	100		
5	75	75		
6	75	100		
7	100	50		
8	100	100		
9	100	50		
10	75	100		
11	75	100		
12	50	75		
13	75	75		
14	75	75		
15	50	100		
16	50	100		
17	50	75		
18	50	100		
19	75	100		
20	75	100		
21	25	75		
22	25	100		
23	50	75		
24	50	100		
25	25	75		
26	25	100		
27	50	50		
28	50	75		
29	0	100		
30	50	100		
31	50	100		
32	25	100		
33	25	100		
34	25	100		

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

MATHEMATICS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
36	50	100		
37	25	50		
38	50	75		
39	75	75		
40	75	75		
41	0	75		
42	100	100		
43	50	100		
44	75	100		
45	25	100		
46	25	75		
47	25	50		
48	25	75		
49	25	75		
50	25	100		
51	75	100		
52	25	100		
53	50	75		
54	50	100		
55	50	100		

ITEM DIFFICULTY LEVELS

SESAT - 2

MATHEMATICS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75	100		
2	100	75		
3	75	75		
4	100	100		
5	75	100		
6	100	100		
7	75	100		
8	100	100		
9	25	100		
10	50	50		
11	50	75		
12	50	100		
13	50	75		
14	25	75		
15	25	75		
16	75	100		
17	50	75		
18	25	50		
19	25	100		
20	25	75		
21	50	50		
22	50	75		
23	25	50		
24	25	75		
25	100	75		
26	75	100		
27	100	100		
28	25	100		
29	50	100		
30	75	100		
31	50	100		
32	75	100		
33	50	75		
34	25	50		
35	50	75		

ITEM DIFFICULTY LEVELS

SESAT - 2

LETTERS AND SOUNDS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100		
2	100	100		
3	100	100		
4	100	100		
5	100	100		
6	100	100		
7	100	100		
8	100	100		
9	100	100		
10	100	100		
11	100	100		
12	100	75		
13	100	75		
14	75	100		
15	75	100		
16	75	100		
17	100	100		
18	75	100		
19	100	100		
20	100	100		
21	100	100		
22	100	100		
23	75	100		
24	100	100		
25	75	75		
26	100	75		
27	75	100		
28	75	100		
29	100	100		
30	75	100		
31	100	100		
32	75	100		
33	100	100		
34	75	100		
35	75	75		

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

LETTERS AND SOUNDS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
36	25	75		
37	25	75		
38	75	100		
39	100	100		
40	50	100		
41	75	50		

ITEM DIFFICULTY LEVELS

SESAT - 2

AURAL COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	50	100		
2	100	100		
3	100	100		
4	100	100		
5	75	75		
6	75	100		
7	100	100		
8	100	100		
9	75	100		
10	75	100		
11	50	100		
12	75	75		
13	50	100		
14	25	75		
15	50	100		
16	50	75		
17	75	100		
18	75	25		
19	25	100		
20	25	100		
21	50	25		
22	50	50		
23	25	50		
24	50	75		
25	50	100		
26	25	75		
27	75	25		

ITEM DIFFICULTY LEVELS

SESAT - 2

WORD READING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100		
2	100	100		
3	100	100		
4	100	100		
5	75	100		
6	100	100		
7	50	100		
8	75	100		
9	75	100		
10	75	100		
11	75	100		
12	75	75		
13	75	100		
14	75	100		
15	50	100		
16	75	100		
17	100	100		
18	100	50		
19	100	100		
20	75	75		
21	100	100		
22	100	75		
23	100	100		
24	100	100		
25	100	100		
26	100	50		
27	75	100		
28	50	100		
29	75	75		
30	0	75		
31	100	75		
32	75	100		
33	75	75		
34	75	100		

ITEM DIFFICULTY LEVELS (cont'd)

SESAT - 2

WORD READING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
35	50	25		
36	75	100		
37	50	75		
38	0	100		
39	25	75		
40	75	25		
41	75	75		
42	75	100		
43	50	50		
44	75	50		
45	25	50		
46	50	100		
47	50	100		
48	50	75		
49	25	50		
50	50	75		
51	75	100		
52	50	100		
53	25	75		
54	75	50		
55	25	50		
56	75	50		
57	50	25		
58	25	50		

ITEM DIFFICULTY LEVELS

SESAT - 2

SENTENCE READING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75	75		
2	75	100		
3	75	100		
4	25	75		
5	25	25		
6	50	75		
7	50	50		
8	75	50		
9	0	50		
10	75	50		
11	50	50		
12	75	25		
13	25	25		
14	50	75		
15	25	25		
16	50	25		
17	75	50		
18	50	25		
19	50	50		
20	25	50		
21	25	50		
22	75	25		
23	25	0		
24	25	75		
25	50	50		
26	50	75		
27	50	50		
28	25	25		
29	50	75		
30	25	25		
31	75	25		
32	25	75		
33	25	25		
34	25	0		
35	0	0		
36	0	25		
37	50	50		
38	50	50		
39	50	50		

ITEM DIFFICULTY LEVELS

SAT - P1

VOCABULARY

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100		
2	100	100		
3	100	100		
4	100	100		
5	100	100		
6	100	100		
7	100	100		
8	75	75		
9	100	100		
10	100	100		
11	100	100		
12	75	100		
13	100	100		
14	100	75		
15	100	100		
16	25	75		
17	75	100		
18	25	75		
19	75	100		
20	75	100		
21	50	100		
22	50	75		
23	75	100		
24	50	75		
25	75	75		
26	75	75		
27	75	75		
28	50	25		
29	50	75		
30	75	25		
31	100	100		
32	75	100		
33	25	75		
34	75	75		
35	25	75		
36	25	75		
37	25	50		

ITEM DIFFICULTY LEVELS

SAT - P1

READING - PART A

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75	100	100	92
2	100	100	75	87
3	100	75	100	69
4	100	100	100	86
5	100	100	100	77
6	75	100	100	55
7	100	100	100	84
8	75	100	100	73
9	50	100	50	64
10	100	100	100	86
11	100	100	75	82
12	100	100	75	50
13	100	100	100	77
14	50	75	50	71
15	50	100	50	71
16	75	100	75	90
17	75	100	75	75
18	75	100	50	57
19	100	100	100	82
20	75	75	25	69
21	75	100	75	50
22	100	100	100	68
23	100	100	75	76
24	100	100	75	53
25	75	100	100	72
26	75	75	100	63
27	75	100	75	48
28	75	100	100	68
29	75	100	100	57
30	75	75	100	57

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P1

READING - PART A

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	75	100	75	62
32	75	75	50	63
33	50	75	50	64
34	50	100	100	54
35	75	100	50	60
36	50	100	50	50
37	50	100	75	86
38	50	100	75	61
39	50	75	25	47
40	50	100	75	61
41	50	100	50	54
42	75	75	50	57
43	75	100	50	57
44	50	75	100	57
45	50	100	50	47

ITEM DIFFICULTY LEVELS

SAT - P1

READING - PART B

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	87
2	75	100	100	83
3	75	100	75	83
4	100	100	100	71
5	100	75	100	70
6	100	100	100	73
7	100	100	50	64
8	100	100	100	59
9	50	100	75	73
10	75	100	100	69
11	50	100	100	61
12	75	100	100	59
13	50	50	25	68
14	50	75	50	55
15	75	75	75	69
16	75	75	75	68
17	75	100	50	72
18	50	100	25	70
19	100	100	100	73
20	75	100	100	72
21	75	100	75	49
22	100	100	50	46
23	75	50	75	62
24	75	100	25	54
25	75	75	100	49
26	75	100	75	54
27	100	75	75	63
28	50	100	50	58
29	75	100	75	60
30	50	75	75	47

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P1

READING - PART B

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	100	75	50	82
32	50	75	75	63
33	75	100	100	65
34	100	100	100	69
35	50	75	75	62
36	75	75	50	40
37	50	75	50	60
38	75	50	100	70
39	50	50	25	44
40	75	75	75	45
41	75	75	50	45
42	50	75	75	65

ITEM DIFFICULTY LEVELS

SAT - P1

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	92
2	100	100	100	94
3	100	100	100	93
4	100	100	100	95
5	100	100	100	95
6	100	100	100	91
7	75	100	100	89
8	75	100	75	91
9	100	100	75	90
10	100	100	100	93
11	100	75	100	92
12	100	100	100	89
13	100	100	75	88
14	100	100	100	92
15	100	100	100	88
16	75	100	75	83
17	100	100	100	81
18	75	75	50	72
19	100	100	100	78
20	100	100	75	91
21	100	100	75	75
22	100	75	100	70
23	100	100	100	82
24	100	100	75	88
25	100	100	100	85
26	100	75	100	85
27	50	100	50	63
28	75	100	100	77
29	50	100	50	69
30	75	100	50	73

ITEM DIFFICULTY LEVELS

SAT - P1

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	50	75	75	38
32	75	100	75	69
33	75	75	75	85
34	50	75	75	75
35	75	100	100	61
36	75	100	100	63
37	75	100	50	77
38	100	100	100	76
39	75	100	75	65
40	75	75	100	40
41	100	100	100	81
42	50	75	75	58
43	100	100	50	51
44	75	75	25	62
45	75	75	25	49
46	75	75	50	41
47	75	100	75	69
48	75	100	75	51
49	25	75	50	40
50	100	100	100	77
51	100	75	75	66
52	0	75	0	63
53	100	100	25	84
54	75	75	75	55
55	25	75	75	63
56	75	75	25	54
57	75	75	75	64
58	75	75	100	41
59	100	75	50	68
60	75	100	50	79

ITEM DIFFICULTY LEVELS

SAT - P1

MATHEMATICS CONCEPTS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	96
2	100	100	75	88
3	100	100	75	78
4	75	100	100	82
5	50	75	50	84
6	100	75	100	59
7	75	100	75	85
8	100	100	100	59
9	100	100	50	74
10	25	100	75	48
11	50	50	50	75
12	75	100	75	92
13	50	75	75	68
14	25	75	50	31
15	75	100	100	50
16	75	75	75	64
17	75	50	25	58
18	100	75	100	57
19	75	50	100	50
20	100	75	100	60
21	25	50	25	59
22	100	75	100	47
23	75	100	75	94
24	0	100	50	49
25	25	25	50	35
26	50	75	50	54
27	25	75	50	41
28	25	100	100	54
29	50	75	100	40
30	50	50	50	33
31	25	50	50	34
32	50	25	50	42

ITEM DIFFICULTY LEVELS

SAT - P1

MATHEMATICS COMPUTATION

AND APPLICATIONS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	75	77
2	100	100	50	82
3	100	100	100	79
4	75	100	75	58
5	100	100	100	85
6	50	100	50	48
7	75	75	75	54
8	100	100	100	45
9	75	100	75	53
10	50	25	25	44
11	50	50	75	49
12	25	75	75	69
13	50	25	75	29
14	50	50	50	50
15	100	100	100	85
16	100	100	100	87
17	100	100	100	74
18	100	75	100	75
19	75	75	100	72
20	100	75	50	80
21	100	75	75	77
22	100	75	50	76
23	100	50	100	73
24	75	75	75	64
25	50	75	50	49
26	50	75	25	49
27	75	75	100	62
28	75	75	100	66
29	100	100	100	54
30	100	75	75	56
31	75	50	75	71
32	0	75	25	33

ITEM DIFFICULTY LEVELS

SAT - P1

LISTENING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75	75		91
2	75	100		82
3	75	75		86
4	75	50		68
5	0	50		82
6	75	75		70
7	25	100		85
8	75	75		76
9	75	75		77
10	25	75		84
11	50	75		64
12	50	75		57
13	50	75		48
14	0	50		60
15	75	75		61
16	75	75		57
17	100	75		65
18	50	100		71
19	75	50		74
20	100	75		75
21	100	50		73
22	100	75		62
23	50	75		37
24	100	50		45
25	50	100		53
26	50	75		69

ITEM DIFFICULTY LEVELS

SAT - P2

VOCABULARY

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100		87
2	100	100		86
3	100	100		82
4	100	100		75
5	50	100		92
6	25	75		73
7	50	75		83
8	100	50		86
9	100	75		85
10	75	100		85
11	75	75		78
12	75	75		85
13	75	75		67
14	25	100		75
15	25	100		68
16	75	75		70
17	25	0		57
18	50	100		77
19	100	75		79
20	25	25		74
21	50	25		63
22	25	75		57
23	75	25		68
24	100	50		50
25	50	50		52
26	50	75		55
27	25	75		56
28	25	50		46
29	50	25		46
30	25	50		35
31	50	50		44
32	0	25		47
33	50	50		50
34	50	50		51
35	25	25		41
36	0	75		34
37	100	50		34

ITEM DIFFICULTY LEVELS

SAT - P2

READING - PART A

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75	75	50	96
2	75	100	50	76
3	100	75	75	62
4	100	100	75	90
5	100	75	50	86
6	75	75	75	78
7	100	75	50	87
8	75	50	50	79
9	75	75	50	70
10	100	100	100	96
11	75	75	75	87
12	75	75	25	76
13	100	100	75	72
14	50	75	75	66
15	75	100	50	70
16	50	100	75	91
17	100	100	75	80
18	100	75	75	65
19	100	75	100	86
20	75	50	50	79
21	75	25	50	73
22	75	75	75	84
23	100	75	25	61
24	75	75	75	58
25	100	100	100	93
26	50	75	75	57
27	75	100	100	42
28	50	100	50	86
29	50	75	50	76
30	50	100	50	63

ITEM DIFFICULTY LEVELS

SAT - P2

READING - PART A

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	100	100	75	86
32	50	75	25	62
33	25	25	50	62
34	50	50	50	85
35	75	100	75	66
36	50	75	75	51
37	100	100	100	86
38	50	75	25	63
39	25	25	50	47
40	100	75	75	74
41	75	75	75	60
42	50	50	75	44
43	100	75	75	82
44	25	75	50	58
45	50	25	50	73

ITEM DIFFICULTY LEVELS

SAT - P2

WORD STUDY SKILLS: PART A

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	97
2	100	100	100	90
3	75	75	75	87
4	100	100	100	95
5	100	100	75	82
6	100	75	75	97
7	100	100	75	97
8	75	100	75	99
9	100	100	75	96
10	75	100	75	92
11	75	75	100	98
12	75	75	75	94
13	75	75	75	97
14	75	75	75	96
15	75	75	75	97
16	100	100	75	73
17	100	100	75	86
18	75	100	75	79
19	100	75	75	72
20	100	75	75	81
21	100	50	75	76
22	100	100	75	84
23	100	75	75	88
24	50	75	50	75
25	75	75	75	63
26	100	75	75	72
27	75	50	50	82
28	100	50	75	84
29	0	50	100	71
30	100	100	75	91

ITEM DIFFICULTY LEVELS

SAT - P2

WORD STUDY SKILLS: PART B

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	75	50	25	69
32	100	100	0	75
33	100	100	75	67
34	100	50	0	64
35	50	50	75	62
36	50	75	50	64
37	75	75	25	75
38	75	75	75	66
39	50	75	75	56
40	75	100	100	68
41	75	75	50	62
42	50	100	0	65
43	75	100	50	58
44	75	100	50	64
45	50	50	25	50
46	75	25	25	77
47	50	50	50	48
48	50	50	0	48
49	25	50	50	79
50	100	75	50	68
51	75	50	50	38
52	75	25	50	47
53	50	0	0	41
54	0	25	50	75
55	75	0	25	41
56	25	25	50	59
57	50	75	25	67
58	75	75	50	53
59	100	75	25	59
60	25	75	0	47
61	100	100	50	75
62	100	100	75	66
63	25	50	0	43
64	50	0	50	44
65	75	50	50	72

ITEM DIFFICULTY LEVELS

SAT - P2

READING - PART B

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	50	75	75	53
32	50	50	75	59
33	75	50	50	54
34	50	50	50	78
35	50	75	25	73
36	50	50	50	73
37	75	50	75	71
38	50	75	25	69
39	50	25	50	46
40	75	75	50	66
41	0	50	75	49
42	25	25	50	41
43	50	50	50	45
44	50	50	25	32
45	75	100	50	45
46	50	50	50	60
47	75	25	75	48
48	50	50	25	61

ITEM DIFFICULTY LEVELS

SAT - P2

MATHEMATICS CONCEPTS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	93
2	100	100	100	89
3	75	100	50	63
4	75	100	100	81
5	75	75	100	71
6	100	75	100	84
7	75	100	75	78
8	50	100	75	64
9	50	100	75	77
10	100	75	75	74
11	75	75	100	56
12	50	75	25	68
13	75	100	75	67
14	50	75	75	67
15	75	75	75	71
16	75	100	75	67
17	50	75	50	69
18	75	100	25	62
19	25	75	50	63
20	50	100	50	57
21	50	50	75	64
22	25	25	25	50
23	75	50	75	66
24	75	75	75	51
25	50	25	75	47
26	25	50	75	55
27	50	50	50	36
28	50	75	25	51
29	25	100	50	29
30	75	75	50	80
31	50	100	50	43
32	25	75	50	61
33	75	25	25	38
34	25	50	25	58
35	25	50	25	43

ITEM DIFFICULTY LEVELS

SAT - P2

READING - PART B

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	75	81
2	75	75	50	85
3	100	75	75	88
4	75	100	50	90
5	75	50	75	91
6	25	25	75	62
7	75	75	50	73
8	75	75	100	74
9	100	75	100	69
10	75	100	50	68
11	75	75	75	58
12	100	100	75	61
13	75	75	50	82
14	75	50	50	65
15	100	50	75	71
16	75	75	100	81
17	75	50	50	78
18	50	50	100	41
19	75	75	75	71
20	100	75	75	54
21	75	75	50	33
22	100	75	75	58
23	100	50	50	67
24	75	50	100	60
25	75	75	50	65
26	100	75	50	51
27	50	75	50	61
28	75	50	50	51
29	75	75	50	55
30	75	75	50	59

ITEM DIFFICULTY LEVELS

SAT - P2

MATHEMATICS COMPUTATION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	93
2	100	100	100	95
3	75	100	100	88
4	100	100	100	90
5	100	100	75	81
6	100	100	75	85
7	100	75	75	73
8	100	100	75	74
9	75	100	100	70
10	100	100	50	56
11	75	75	100	66
12	75	100	50	77
13	75	75	25	28
14	100	100	100	90
15	100	100	50	76
16	75	100	50	74
17	50	75	50	66
18	75	100	50	65
19	25	100	0	38
20	25	75	25	77
21	0	50	25	30
22	75	50	75	50
23	50	100	50	47
24	50	100	25	28
25	50	75	50	27
26	75	50	50	28
27	25	25	25	31
28	50	75	50	55
29	50	75	50	50
30	75	100	75	85
31	50	75	50	62
32	25	50	50	60
33	50	75	25	57
34	25	100	50	58
35	50	75	50	41
36	50	75	50	61
37	25	50	25	56

ITEM DIFFICULTY LEVELS

SAT - P2

MATHEMATICS APPLICATIONS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	75	100	90
2	100	100	75	46
3	74	100	100	75
4	25	50	50	67
5	100	50	50	76
6	0	100	25	53
7	50	75	25	46
8	25	100	75	56
9	25	75	0	68
10	75	100	75	58
11	50	75	50	63
12	0	75	50	76
13	0	75	75	42
14	0	50	25	63
15	75	100	100	63
16	100	100	100	66
17	25	100	50	68
18	50	100	75	37
19	50	100	25	54
20	25	75	25	47
21	50	75	50	49
22	50	75	50	49
23	75	100	50	83
24	0	75	75	57
25	25	75	25	44
26	25	50	25	48
27	75	75	50	64
28	100	75	50	38

ITEM DIFFICULTY LEVELS

SAT - P2

SPELLING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100		94
2	100	100		94
3	100	100		90
4	100	100		91
5	100	100		88
6	100	75		84
7	100	100		87
8	100	100		92
9	100	100		82
10	50	75		55
11	100	100		85
12	75	100		92
13	75	100		71
14	75	100		67
15	25	75		62
16	100	100		92
17	75	100		80
18	25	75		84
19	50	100		73
20	75	75		89
21	75	75		91
22	100	75		74
23	100	75		77
24	0	50		47
25	50	100		37
26	50	50		47
27	75	100		93
28	75	75		85
29	75	75		32
30	75	75		80

ITEM DIFFICULTY LEVELS

SAT - P2

SPELLING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	75	75		34
32	100	75		73
33	50	100		30
34	25	75		40
35	75	100		75
36	25	100		72
37	100	75		74
38	100	100		50
39	50	25		42
40	100	100		83
41	75	100		86
42	75	0		30
43	25	50		27

ITEM DIFFICULTY LEVELS

SAT - P2

SOCIAL SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	50	100	88
2	100	75	100	88
3	75	100	50	88
4	75	75	50	86
5	75	100	100	88
6	100	75	0	87
7	100	25	50	57
8	100	100	50	75
9	25	50	100	70
10	50	75	50	70
11	50	75	50	50
12	75	100	50	58
13	75	75	0	66
14	50	25	100	61
15	50	75	50	49
16	50	75	50	45
17	100	100	50	58
18	75	100	100	91
19	75	100	100	81
20	75	50	50	71
21	100	50	50	79
22	75	75	100	70
23	75	75	50	60
24	50	75	100	42
25	75	50	0	39
26	75	75	50	42
27	50	50	0	56

ITEM DIFFICULTY LEVELS

SAT - P2

SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100		90
2	100	100		84
3	75	75		68
4	25	100		84
5	50	100		81
6	75	75		74
7	75	100		80
8	75	100		77
9	50	75		80
10	25	75		74
11	75	75		82
12	50	25		41
13	50	25		53
14	50	100		56
15	75	100		50
16	75	100		60
17	100	100		66
18	0	50		65
19	9	50		77
20	75	50		72
21	75	50		61
22	0	75		60
23	25	75		51
24	50	50		62
25	100	100		60
26	25	25		60
27	0	25		40

ITEM DIFFICULTY LEVELS
SAT - P2
LISTENING COMPREHENSION
SPRING, 1976
(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	50	50		90
2	75	100		86
3	50	100		78
4	100	75		77
5	50	75		85
6	75	25		73
7	50	75		82
8	25	0		85
9	75	75		72
10	75	75		74
11	75	75		90
12	100	100		58
13	75	100		80
14	25	25		47
15	75	75		63
16	100	75		93
17	25	25		80
18	50	75		51
19	100	100		74
20	0	25		66
21	50	50		47
22	75	75		42
23	0	50		67
24	100	75		75
25	50	75		82
26	75	75		78
27	50	100		81
28	25	50		72
29	25	75		81
30	50	50		38

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P2

LISTENING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31	75	75		76
32	100	100		62
33	50	100		85
34	25	50		54
35	50	75		59
36	75	75		66
37	25	75		68
38	50	50		78
39	25	50		44
40	50	50		76
41	25	50		76
42	50	75		59
43	25	75		43
44	50	25		66
45	25	50		75
46	50	100		47
47	25	25		31
48	75	25		33
49	0	50		27
50	25	75		42

ITEM DIFFICULTY LEVELS

SAT - P3

VOCABULARY

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	85
2	100	100	100	85
3	50	100	100	73
4	50	100	50	88
5	75	50	100	75
6	100	100	100	85
7	25	100	100	86
8	0	100	100	73
9	100	100	100	80
10	0	100	100	66
11	25	100	100	80
12	100	100	100	84
13	50	100	100	81
14	75	100	50	81
15	50	100	100	65
16	25	100	100	62
17	25	100	100	69
18	75	100	100	77
19	0	0	100	89
20	25	100	100	64
21	50	100	100	66
22	25	50	50	69
23	25	100	100	56
24	0	100	100	61
25	50	100	100	66
26	50	0	50	59
27	25	50	50	53
28	50	100	100	58
29	50	50	50	59
30	25	100	50	47
31	50	100	50	58
32	50	50	50	61

ITEM DIFFICULTY LEVELS

SAT - P3

VOCABULARY

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
33	0	50	100	48
34	25	100	100	35
35	25	50	100	53
36	75	50	100	48
37	0	100	50	47
38	0	100	50	45
39	0	100	50	42
40	50	100	100	38
41	50	50	50	54
42	50	50	100	34
43	25	0	50	38
44	0	100	100	45
45	25	50	50	19

ITEM DIFFICULTY LEVELS

SAT - P3

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75	100	75	90
2	100	100	100	87
3	100	100	100	71
4	25	25	25	81
5	25	25	25	88
6	50	100	100	92
7	50	100	100	83
8	100	100	75	92
9	100	100	75	90
10	100	75	100	85
11	100	75	100	90
12	100	75	100	90
13	100	50	75	81
14	100	75	100	78
15	100	75	75	84
16	100	75	100	83
17	50	75	75	63
18	100	75	100	61
19	100	100	100	88
20	100	75	75	85
21	100	75	100	69
22	75	50	100	68
23	50	75	100	69
24	50	75	100	86
25	75	75	100	66
26	75	100	75	81
27	75	75	100	76
28	100	75	100	67
29	25	0	50	64
30	75	100	100	83
31	100	75	100	80
32	50	25	0	63

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
33	25	50	50	73
34	25	50	100	84
35	50	50	100	26
36	25	75	100	59
37	75	50	75	66
38	50	75	75	64
39	100	75	75	47
40	50	50	75	68
41	0	25	75	51
42	25	75	100	54
43	25	75	100	64
44	50	75	100	74
45	50	50	50	72
46	75	25	75	59
47	50	50	50	60
48	50	50	25	62
49	100	50	75	60
50	75	50	75	58
51	25	25	0	60
52	50	75	75	64
53	75	75	75	49
54	100	25	100	66
55	50	50	75	59
56	0	25	75	59
57	0	75	75	53
58	25	50	75	63
59	50	25	75	20
60	50	75	100	65
61	25	25	50	45
62	0	25	0	42
63	25	75	50	61
64	25	75	100	46

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
65	0	50	100	45
66	75	50	50	64
67	0	0	0	45
68	0	50	100	61
69	0	50	50	52
70	0	25	0	33

ITEM DIFFICULTY LEVELS

SAT - P3

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	50	75	50	58
2	50	75	25	54
3	75	75	75	77
4	75	100	100	74
5	100	75	100	71
6	50	100	75	76
7	75	50	75	64
8	75	0	50	38
9	0	25	50	46
10	75	50	100	42
11	50	50	50	58
12	0	50	50	30
13	100	50	100	76
14	75	50	75	63
15	100	75	100	86
16	75	100	75	69
17	75	100	75	82
18	75	100	50	79
19	100	50	50	56
20	100	50	0	37
21	100	25	50	71
22	50	75	50	67
23	50	25	75	74
24	25	75	75	66
25	75	25	50	61
26	75	50	50	63
27	100	50	0	93
28	75	25	25	64
29	75	50	50	45
30	50	25	0	41
31	100	50	50	62

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32	50	25	0	65
33	75	50	0	69
34	50	0	0	45
35	100	0	0	38
36	75	25	50	48
37	75	100	25	75
38	25	25	25	79
39	50	25	25	72
40	100	50	75	56
41	75	75	25	74
42	25	75	75	56
43	25	100	25	75
44	50	0	75	49
45	25	0	0	45
46	100	25	50	57
47	50	25	100	60
48	50	50	0	66
49	25	50	0	68
50	25	0	25	58
51	100	75	50	76
52	50	25	0	57
53	50	25	75	83
54	0	25	25	61
55	0	0	25	48

ITEM DIFFICULTY LEVELS

SAT - P3

MATHEMATIC CONCEPTS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	75	50	100	83
2	75	75	75	71
3	50	50	75	31
4	50	100	100	61
5	25	50	75	61
6	75	25	100	48
7	75	75	75	77
8	0	100	100	75
9	75	75	100	70
10	75	75	25	45
11	0	75	50	53
12	75	75	75	48
13	0	0	25	48
14	0	50	25	71
15	75	75	100	41
16	50	50	75	55
17	25	50	75	40
18	0	75	100	42
19	25	100	25	60
20	100	75	100	72
21	75	100	100	51
22	0	25	0	32
23	25	75	75	71
24	0	25	0	34
25	0	25	25	61
26	25	75	100	60
27	25	50	75	38
28	25	75	50	40
29	50	50	25	51
30	0	25	50	62
31	25	75	100	59
32	50	50	100	41

ITEM DIFFICULTY LEVELS

SAT - P3

MATHEMATICS COMPUTATION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	25	100	100	80
2	75	100	100	86
3	50	50	50	75
4	50	75	100	81
5	75	50	100	73
6	25	75	100	81
7	25	50	100	71
8	50	75	100	67
9	50	75	50	67
10	75	75	100	71
11	50	100	100	71
12	75	75	25	51
13	50	75	50	63
14	25	50	75	41
15	50	100	50	45
16	25	50	75	50
17	25	100	75	44
18	50	25	50	44
19	0	50	75	54
20	50	75	75	56
21	50	50	75	27
22	25	25	75	51
23	50	50	100	33
24	50	25	75	49
25	50	100	100	91
26	50	50	100	74
27	75	100	100	77
28	25	100	50	43
29	25	50	75	62
30	50	100	100	36
31	25	25	50	54

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

MATHEMATICS COMPUTATION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32	50	100	100	42
33	75	100	100	28
34	0	50	75	26
35	50	25	100	31
36	50	0	100	19

ITEM DIFFICULTY LEVELS

SAT - P3

MATHEMATICS APPLICATIONS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	100	100	92
2	75	100	75	91
3	25	100	100	72
4	100	100	100	88
5	0	50	100	71
6	25	100	75	71
7	0	100	75	75
8	0	50	75	72
9	50	100	100	77
10	25	100	100	74
11	0	50	50	65
12	50	75	100	58
13	25	75	100	54
14	0	75	75	57
15	0	25	25	29
16	0	25	25	57
17	50	50	75	49
18	25	25	75	46
19	25	25	75	65
20	25	50	100	57
21	75	75	75	64
22	25	100	100	57
23	0	50	75	59
24	0	50	50	66
25	50	75	75	63
26	25	75	50	58
27	25	50	75	53
28	50	25	75	48

ITEM DIFFICULTY LEVELS

SAT - P3

SPELLING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100	50	100	93
2	75	100	100	87
3	75	50	100	78
4	100	100	50	87
5	75	100	50	72
6	100	100	50	87
7	100	50	100	80
8	100	100	50	78
9	100	100	100	78
10	100	100	100	67
11	100	100	100	78
12	75	100	100	72
13	100	100	50	70
14	100	50	50	65
15	75	100	50	62
16	50	100	100	74
17	75	100	0	59
18	75	100	50	68
19	75	100	100	65
20	50	100	50	69
21	75	100	50	69
22	50	100	100	69
23	75	100	50	56
24	25	100	100	69
25	75	50	50	58
26	50	100	50	58
27	100	100	50	74
28	100	50	100	59
29	100	50	50	74
30	50	50	0	60
31	25	100	50	69
32	75	50	50	60

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

SPELLING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
33	75	100	100	69
34	50	50	50	44
35	25	100	50	72
36	25	100	50	29
37	75	50	100	72
38	25	0	0	50
39	50	50	50	65
40	0	50	50	42
41	25	50	100	65
42	0	50	0	36
43	25	50	0	55
44	25	0	0	37
45	50	50	50	49
46	25	50	50	49
47	50	50	100	57

ITEM DIFFICULTY LEVELS

SAT - P3

LANGUAGE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	50	50	0	45
2	25	50	50	47
3	100	50	100	45
4	100	100	100	76
5	25	50	50	46
6	25	100	50	44
7	50	50	0	32
8	50	0	50	34
9	75	100	100	86
10	25	100	100	82
11	75	50	100	71
12	75	50	50	70
13	50	50	50	78
14	75	100	100	80
15	25	0	50	69
16	0	0	50	35
17	25	0	0	74
18	75	100	50	56
19	25	100	100	73
20	75	50	50	53
21	75	50	100	38
22	25	50	50	68
23	0	0	100	45
24	25	50	50	72
25	25	50	50	60
26	75	100	100	64
27	75	0	100	64
28	75	0	50	74
29	25	50	100	70
30	25	0	100	78
31	0	50	50	51

ITEM DIFFICULTY LEVELS (cont'd)

SAT - P3

LANGUAGE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32	25	100	50	44
33	50	50	100	41
34	0	0	100	48
35	50	50	50	48
36	0	50	0	49
37	75	50	100	45
38	50	100	100	42
39	75	100	100	81
40	50	100	50	79
41	25	50	100	72
42	75	100	100	59
43	25	100	100	65
44	50	50	100	71
45	50	100	50	69
46	100	50	50	60
47	75	50	50	59
48	25	100	100	51
49	50	50	50	50
50	25	50	50	72
51	25	0	50	69
52	0	50	50	65
53	0	50	100	51
54	0	50	50	59
55	0	50	100	40

ITEM DIFFICULTY LEVELS

SAT - P3

SOCIAL SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	25		50	81
2	50		100	78
3	100		100	77
4	100		100	76
5	75		100	83
6	75		100	78
7	25		50	70
8	100		100	59
9	25		100	59
10	100		100	74
11	50		100	76
12	50		100	59
13	50		100	64
14	100		100	66
15	100		100	55
16	50		100	51
17	75		100	69
18	50		50	64
19	0		100	70
20	0		100	58
21	0		100	64
22	25		100	60
23	100		50	54
24	100		100	50
25	25		100	49
26	0		100	61
27	50		100	60
28	100		100	54
29	50		100	50
30	50		50	54
31	25		100	67

ITEM DIFFICULTY LEVELS

SAT - P3

SOCIAL SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32	50		100	40
33	75		100	51
34	0		100	49
35	50		100	64
36	25		50	39
37	25		100	58
38	25		50	60
39	50		100	37
40	25		100	49
41	0		100	60
42	25		100	31
43	0		50	42
44	50		0	45

ITEM DIFFICULTY LEVELS

SAT - P3

SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100		100	76
2	100		100	83
3	75		100	74
4	100		50	82
5	25		100	60
6	25		100	61
7	50		50	65
8	50		100	61
9	75		100	65
10	100		100	62
11	75		100	82
12	50		100	69
13	25		50	58
14	100		0	44
15	75		100	58
16	0		50	64
17	75		50	62
18	50		100	73
19	0		100	69
20	50		100	71
21	25		50	52
22	25		50	46
23	25		50	60
24	50		100	37
25	75		100	45
26	25		50	63
27	50		0	60
28	75		0	60
29	50		50	40
30	50		50	54
31	50		100	51

ITEM DIFFICULTY LEVELS

SAT - P3

SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32	25		50	51
33	50		50	56
34	50		100	46
35	50		100	48
36	25		50	42
37	0		50	49
38	0		100	45
39	25		100	40
40	25		100	49
41	50		0	45
42	50		0	33

ITEM DIFFICULTY LEVELS

SAT - P3

LISTENING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1	100		100	90
2	75		50	78
3	75		50	68
4	100		100	82
5	75		100	77
6	75		50	84
7	75		100	66
8	25		50	65
9	0		50	51
10	25		0	41
11	50		100	70
12	100		100	84
13	50		100	81
14	50		100	78
15	25		50	86
16	0		50	50
17	25		100	68
18	75		100	64
19	25		0	55
20	50		50	54
21	50		50	79
22	25		50	67
23	50		100	57
24	25		50	52
25	75		50	88
26	75		50	76
27	100		100	70
28	75		50	47
29	75		100	56
30	0		0	72
31	50		100	78

ITEM DIFFICULTY LEVELS

SAT - P3

LISTENING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32	50		0	66
33	75		100	45
34	50		50	77
35	75		50	55
36	75		50	71
37	50		100	66
38	50		100	74
39	25		0	44
40	50		50	77
41	50		100	60
42	0		100	22
43	50		50	58
44	75		100	53
45	0		100	53
46	25		0	43
47	25		100	45
48	0		50	63
49	50		50	52
50	25		100	24

ITEM DIFFICULTY LEVELS

SAT - I1

VOCABULARY

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		66	100	93
2		66	66	82
3		66	100	80
4		33	100	82
5		33	100	79
6		66	66	80
7		66	100	79
8		0	66	82
9		66	100	75
10		66	100	68
11		66	66	76
12		33	100	73
13		66	100	63
14		66	100	67
15		66	66	59
16		66	66	68
17		66	66	61
18		66	66	69
19		33	100	75
20		33	66	75
21		0	66	62
22		66	100	49
23		66	66	71
24		0	100	56
25		66	66	65
26		0	66	56
27		66	0	65
28		0	33	56
29		66	66	51
30		33	66	37

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

VOCABULARY

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		50	0	56
32		100	66	53
33		100	100	54
34		50	33	56
35		50	66	48
36		50	33	46
37		50	66	49
38		100	66	52
39		0	100	29
40		0	100	36
41		0	100	40
42		100	0	41
43		50	100	42
44		50	33	40
45		100	0	39
46		50	33	36
47		50	66	37
48		50	33	40
49		0	33	26
50		0	0	18

ITEM DIFFICULTY LEVELS

SAT - I1

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		100	100	94
2		100	100	95
3		75	100	93
4		100	100	82
5		75	100	63
6		75	100	78
7		75	100	71
8		100	100	68
9		75	100	58
10		50	100	63
11		50	100	57
12		75	100	66
13		50	100	62
14		50	50	58
15		75	100	69
16		75	75	55
17		75	100	49
18		75	100	71
19		75	100	78
20		50	100	63
21		75	100	63
22		25	25	57
23		75	100	66
24		100	100	63
25		75	75	74
26		50	25	55
27		50	25	47
28		25	25	41
29		25	75	66
30		75	100	64

ITEM DIFFICULTY LEVELS (cont'd)

SAT - II

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		75	75	54
32		50	75	52
33		75	100	45
34		75	100	51
35		75	50	37
36		75	100	69
37		75	100	58
38		100	100	54
39		0	0	42
40		0	100	32
41		50	50	19
42		25	75	37
43		75	75	64
44		25	100	51
45		25	50	51
46		50	50	53
47		50	25	50
48		0	25	34
49		50	100	46
50		75	100	50
51		75	100	47
52		25	50	45
53		25	0	36
54		100	75	28
55		75	75	40
56		50	75	44
57		25	0	34
58		25	25	46
59		50	50	33
60		25	0	24

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
61		100	100	23
62		100	100	27
63		0	66	32
64		66	100	21
65		100	33	29
66		33	0	21
67		66	66	25
68		66	100	26
69		33	100	22
70		33	100	24
71		0	33	16
72		66	66	17

ITEM DIFFICULTY LEVELS

SAT - I1

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		75	75	90
2		75	50	81
3		100	75	90
4		75	75	86
5		25	50	69
6		75	25	66
7		75	50	79
8		50	50	47
9		75	75	67
10		50	75	81
11		75	75	81
12		50	50	67
13		75	50	66
14		50	75	59
15		50	75	59
16		25	0	76
17		25	25	58
18		100	50	53
19		100	50	65
20		50	25	76
21		50	50	44
22		50	50	49
23		75	50	51
24		0	25	66
25		50	100	55
26		75	75	75
27		75	75	74
28		75	100	70
29		75	50	69
30		75	75	60

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		50	100	57
32		75	75	60
33		50	50	68
34		75	75	62
35		75	75	70
36		50	50	75
37		75	75	74
38		75	50	73
39		75	50	36
40		100	50	67
41		75	50	75
42		75	50	68
43		75	25	62
44		75	50	59
45		25	25	66
46		50	75	59
47		25	50	45
48		75	75	62
49		75	75	57
50		50	25	52
51		75	75	61
52		100	50	60
53		25	25	45
54		50	0	56
55		50	0	46

ITEM DIFFICULTY LEVELS

SAT - II

MATHEMATICS CONCEPTS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		75	100	75
2		75	100	69
3		75	75	71
4		75	100	66
5		50	75	56
6		75	50	60
7		100	25	61
8		75	75	68
9		75	75	71
10		100	75	68
11		50	75	55
12		75	75	58
13		75	50	39
14		50	75	57
15		100	75	80
16		50	50	66
17		75	75	49
18		25	75	55
19		50	25	30
20		25	0	39
21		25	50	50
22		0	50	37
23		25	25	46
24		25	75	42
25		100	75	54
26		100	25	33
27		50	50	45
28		100	0	36
29		75	25	41
30		0	0	33
31		75	50	44
32		75	50	32

ITEM DIFFICULTY LEVELS

SAT - I1

MATHEMATICS COMPUTATION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		75	100	74
2		50	100	71
3		75	75	70
4		75	75	67
5		75	50	75
6		100	50	55
7		100	50	55
8		100	100	53
9		100	75	55
10		100	100	55
11		100	25	29
12		75	50	54
13		100	25	43
14		100	75	66
15		75	25	44
16		100	50	60
17		0	50	57
18		50	50	40
19		100	75	75
20		75	75	64
21		75	100	69
22		75	100	74
23		100	75	58
24		100	100	54
25		100	75	57
26		100	75	52
27		75	75	44
28		100	100	60
29		75	75	38
30		75	50	32

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

MATHEMATICS COMPUTATION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		100	75	27
32		75	50	32
33		75	25	36
34		50	50	31
35		75	25	25
36		75	75	45
37		75	50	35
38		75	75	36
39		75	75	34
40		75	75	22

ITEM DIFFICULTY LEVELS

SAT - I1

MATHEMATICS APPLICATIONS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		100	100	89
2		100	100	88
3		75	50	78
4		100	100	59
5		50	50	80
6		100	100	91
7		75	100	83
8		50	75	88
9		100	100	79
10		100	75	76
11		100	50	67
12		25	75	71
13		75	75	92
14		75	75	79
15		100	100	83
16		75	75	71
17		75	25	73
18		75	50	77
19		75	100	75
20		25	25	48
21		100	75	56
22		100	75	62
23		50	50	56
24		100	100	62
25		50	75	58
26		25	75	55
27		50	75	61
28		75	75	39
29		75	100	62
30		75	75	53

ITEM DIFFICULTY LEVELS (cont'd)

SAT - II

MATHEMATICS APPLICATIONS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		75	50	49
32		75	75	54
33		50	75	52
34		50	75	38
35		25	25	43
36		50	50	40
37		50	75	45
38		50	100	25
39		50	75	46
40		75	75	24

ITEM DIFFICULTY LEVELS

SAT - I1

SPELLING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		50	100	84
2		50	33	73
3		50	66	77
4		50	66	67
5		50	33	71
6		100	66	65
7		50	66	69
8		50	33	58
9		100	100	74
10		50	100	72
11		50	33	77
12		50	66	67
13		100	33	57
14		50	33	69
15		0	66	64
16		50	66	73
17		50	66	72
18		50	33	59
19		0	66	73
20		50	100	53
21		100	33	73
22		50	33	65
23		50	33	59
24		50	0	46
25		50	33	57
26		50	100	56
27		0	100	58
28		50	0	58
29		50	33	53
30		100	33	62

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

SPELLING

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		0	0	52
32		0	0	56
33		50	33	49
34		50	66	43
35		0	66	54
36		50	66	43
37		0	66	51
38		100	66	51
39		100	66	52
40		100	33	48
41		0	0	36
42		50	33	46
43		0	0	40
44		50	33	46
45		50	66	48
46		0	0	37
47		50	0	39
48		50	66	26
49		50	33	42
50		50	66	32

ITEM DIFFICULTY LEVELS

SAT - I1

LANGUAGE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		100	33	62
2		50	66	53
3		0	0	37
4		50	33	48
5		50	66	45
6		50	0	79
7		50	66	57
8		50	66	82
9		50	0	49
10		50	66	53
11		50	66	69
12		50	100	43
13		50	100	40
14		50	33	72
15		50	66	54
16		100	100	70
17		50	66	46
18		50	66	26
19		50	100	63
20		0	0	44
21		50	100	47
22		50	66	58
23		50	66	65
24		0	0	39
25		50	100	74
26		50	66	25
27		50	66	63
28		50	66	52
29		50	0	41
30		0	66	29
31		50	100	51

ITEM DIFFICULTY LEVELS

SAT - II

LANGUAGE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32		0	0	57
33		50	100	51
34		0	33	60
35		50	100	48
36		100	100	49
37		0	66	41
38		50	100	47
39		50	100	41
40		50	66	29
41		50	66	31
42		50	66	30
43		0	33	57
44		0	66	60
45		0	66	51
46		50	66	51
47		50	66	52
48		50	0	43
49		50	100	65
50		50	100	62
51		0	33	57
52		100	100	60
53		50	100	54
54		50	66	56
55		100	66	50
56		50	0	52
57		50	66	61
58		0	66	43
59		0	66	61
60		100	100	49
61		0	33	50
62		0	66	44

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

LANGUAGE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
63		0	66	47
64		50	100	44
65		100	100	40
66		0	0	37
67		50	0	31
68		50	33	32
69		50	66	42
70		50	100	52
71		50	100	52
72		50	66	59
73		100	66	59
74		50	33	46
75		100	100	53
76		50	100	41
77		100	100	42
78		0	66	27
79		0	33	26

ITEM DIFFICULTY LEVELS

SAT - II

SOCIAL SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1			66	79
2			66	63
3			33	83
4			66	83
5			66	75
6			33	76
7			66	75
8			66	67
9			33	67
10			66	64
11			66	68
12			66	58
13			0	54
14			33	66
15			66	48
16			66	66
17			66	68
18			66	49
19			33	44
20			0	44
21			66	48
22			66	60
23			66	47
24			66	46
25			33	44
26			0	43
27			66	47
28			0	45
29			33	39
30			66	43
31			66	43

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

SOCIAL SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32			0	43
33			50	28
34			0	38
35			0	43
36			0	33
37			50	41
38			50	52
39			50	64
40			50	39
41			50	40
42			100	31
43			100	68
44			100	63
45			100	59
46			50	44
47			50	45
48			100	48
49			100	48
50			100	54
51			50	45
52			50	52
53			50	35
54			100	39
55			100	54
56			100	46
57			100	41
58			100	33
59			100	33
60			50	31

ITEM DIFFICULTY LEVELS

SAT - I1

SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1			100	73
2			100	75
3			100	58
4			100	73
5			50	60
6			100	65
7			100	58
8			100	58
9			100	51
10			100	70
11			50	57
12			50	64
13			100	50
14			100	60
15			50	39
16			100	59
17			50	33
18			100	43
19			50	55
20			100	51
21			0	56
22			100	54
23			50	53
24			100	51
25			100	43
26			100	50
27			50	34
28			100	37
29			50	48
30			50	42
31			100	48

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I1

SCIENCE

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32			50	52
33			100	50
34			100	35
35			50	52
36			50	38
37			50	48
38			50	46
39			100	39
40			100	54
41			100	53
42			100	55
43			100	47
44			100	34
45			0	47
46			100	35
47			100	43
48			0	60
49			50	44
50			100	39
51			50	34
52			50	27
53			100	33
54			0	34
55			100	31
56			100	28
57			0	39
58			50	31
59			0	42
60			0	35

ITEM DIFFICULTY LEVELS

SAT - I2

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		50	75	84
2		50	50	56
3		0	50	73
4		25	75	66
5		50	25	54
6		25	75	67
7		50	75	88
8		75	75	87
9		25	75	92
10		75	75	84
11		75	100	77
12		0	75	70
13		50	75	58
14		75	50	85
15		50	100	85
16		25	50	79
17		50	50	72
18		25	50	77
19		25	0	48
20		50	50	75
21		25	25	69
22		25	25	58
23		50	50	50
24		25	25	47
25		50	75	45
26		50	50	65
27		50	25	67
28		75	75	65
29		25	25	60
30		50	75	70
31		50	0	50

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I2

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
32		25	75	71
33		25	50	68
34		25	50	58
35		100	50	52
36		50	25	26
37		50	100	64
38		50	25	56
39		50	75	55
40		0	75	38
41		0	0	47
42		50	50	36
43		50	25	57
44		0	25	61
45		0	50	61
46		0	25	51
47		50	50	42
48		0	0	40
49		100	25	32
50		50	75	49
51		50	0	48
52		0	25	54
53		0	0	49
54		0	50	36
55		0	50	40
56		0	25	37
57		0	25	30
58		50	50	29
59		0	50	31
60		0	25	28
61		0	25	43
62		0	0	35

ITEM DIFFICULTY LEVELS

SAT - I2

READING COMPREHENSION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
63		0	0	37
64		50	25	16
65		0	0	20
66		0	50	18
67		0	25	28
68		0	25	30
69		50	50	19
70		0	50	21
71		50	25	21

ITEM DIFFICULTY LEVELS

SAT - I2

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		25	75	71
2		0	25	79
3		0	50	67
4		0	0	53
5		0	0	58
6		0	25	68
7		0	25	45
8		0	25	51
9		25	0	52
10		0	75	76
11		0	50	49
12		0	25	76
13		25	0	55
14		0	50	65
15		0	0	62
16		0	0	50
17		50	75	44
18		0	25	55
19		0	25	35
20		0	0	55
21		0	50	64
22		25	0	62
23		25	25	67
24		0	50	68
25		0	25	61
26		0	25	81
27		0	25	73
28		25	0	69
29		25	50	80
30		50	50	72

ITEM DIFFICULTY LEVELS

SAT - I2

WORD STUDY SKILLS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		25	0	74
32		25	0	69
33		0	50	74
34		0	0	50
35		0	25	66
36		50	25	64
37		25	25	40
38		33	75	59
39		33	25	57
40		0	0	50
41		0	50	40
42		0	50	51
43		0	0	55
44		0	50	60
45		0	50	45
46		0	25	35
47		33	0	46
48		66	25	45
49		33	0	40
50		33	25	35

ITEM DIFFICULTY LEVELS

SAT - I2

MATHEMATICS CONCEPTS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		25	25	75
2		25	25	82
3		50	75	75
4		25	50	70
5		25	25	78
6		0	50	66
7		75	50	82
8		0	25	67
9		50	50	53
10		25	0	70
11		0	0	51
12		0	50	62
13		25	25	64
14		25	50	64
15		50	25	52
16		25	100	62
17		25	50	52
18		0	0	49
19		0	25	63
20		0	25	42
21		66	0	52
22		0	25	56
23		0	0	52
24		33	75	53
25		33	25	48
26		0	50	51
27		0	0	49
28		0	50	30
29		0	0	40
30		66	0	39

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I2

MATHEMATICS CONCEPTS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		33	0	42
32		0	0	31
33		0	0	37
34		0	25	38
35		33	25	46

ITEM DIFFICULTY LEVELS

SAT - I2

MATHEMATICS COMPUTATION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		75	50	84
2		75	75	85
3		0	50	79
4		25	50	73
5		50	25	72
6		25	25	74
7		50	25	61
8		0	25	61
9		25	0	70
10		0	50	60
11		50	50	57
12		0	25	55
13		25	50	76
14		25	0	71
15		25	25	63
16		50	25	51
17		50	50	46
18		25	50	45
19		0	0	50
20		50	25	51
21		0	50	40
22		50	25	40
23		0	0	47
24		0	25	50
25		25	25	66
26		0	50	67
27		50	25	66
28		25	50	59
29		0	50	55
30		50	25	46

ITEM DIFFICULTY LEVELS (cont'd)

SAT - I2

MATHEMATICS COMPUTATION

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		0	50	55
32		25	50	53
33		0	75	56
34		0	25	47
35		25	75	45
36		50	50	46
37		0	75	36
38		25	50	44
39		0	0	44
40		0	50	37
41		0	50	45
42		0	25	49
43		66	25	32
44		0	25	23
45		0	0	23

ITEM DIFFICULTY LEVELS

SAT - I2

MATHEMATICS APPLICATIONS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
1		0	25	82
2		0	0	80
3		0	75	77
4		0	25	89
5		25	25	84
6		0	50	84
7		0	25	63
8		0	50	69
9		0	25	85
10		0	50	79
11		25	25	75
12		0	50	82
13		25	25	61
14		0	50	53
15		50	50	68
16		25	25	64
17		25	50	63
18		50	100	52
19		0	25	54
20		33	25	54
21		33	25	64
22		0	25	49
23		60	25	59
24		33	75	49
25		0	25	47
26		0	100	53
27		0	25	62
28		33	25	48
29		66	0	44
30		0	50	47

ITEM DIFFICULTY LEVELS

SAT - I2

MATHEMATICS APPLICATIONS

SPRING, 1976

(N = 4)

Item	Elem EMR Difficulty	Junior EMR Difficulty	Senior EMR Difficulty	Normal Difficulty
31		0	25	42
32		0	0	36
33		33	25	44
34		0	50	55
35		0	25	55
36		0	25	40
37		33	0	46
38		50	0	36
39		0	25	29
40		0	0	22

APPENDIX L

RAW DATA RESULTS:

ARBITRARY CONTENT SUBDIVISION

(SPRING, 1976)

Date Spring, 1976
Subtest Name Environment
Age Group Elementary
Subtest Area Close Personal Surroundings
Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14 32	18 30 34 42	1 2 5 9 12 20 21 23	3 11 13 19 27

Date Spring, 1976
Subtest Name Environment
Age Group Elementary
Subtest Area Natural
Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26 31 37	35 38	6 7 8 15 16 17 25 28 29 33 36 40 41	4 10 22 24 27

Date Spring, 1976
Subtest Name Mathematics
Age Group Elementary
Subtest Area Measurement
Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9	7	12	6
23	20		

Date Spring, 1976
Subtest Name Mathematics
Age Group Elementary
Subtest Area Counting
Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19	5	11	27
25	8	14	
26	22	17	
28		18	

Date Spring, 1976
Subtest Name Mathematics
Age Group Elementary
Subtest Area Recognizing Numbers
Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	21		2
			4

Date Spring, 1976
Subtest Name Mathematics
Age Group Elementary
Subtest Area Volume
Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	15		13
	16		
	24		

Date Spring, 1976

Subtest Name Letters & Sounds

Age Group Elementary

Subtest Area Recognizing Upper & Lower Case Letters

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6		4	1 2 3 5 7 8 9 10 11 12 13 14

Date Spring, 1976

Subtest Name Letters & Sounds

Age Group Elementary

Subtest Area Beginning Sounds

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24 25	17	20 21 26 28	15 16 18 19 22 23 27

Date Spring, 1976

Subtest Name Aural Comprehension

Age Group Elementary

Subtest Area Interpret

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10 14 24	18 27	7 13 21 22	2 4 5 11 12 23

Date Spring, 1976

Subtest Name Aural Comprehension

Age Group Elementary

Subtest Area Retain

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25 26	3 16 19 20 27	1 6 8 15	17

Date Spring, 1976

Subtest Name Environment

Age Group Elementary

Subtest Area Personal Surroundings

Test Level Early School - Level II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22	15	5	4
25	24	10	8
29	27	11	
38		13	
30		20	

Date Spring, 1976

Subtest Name Environment

Age Group Elementary

Subtest Area Natural

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
32	16	6	1
33	18		3
34	28		9
	31		
	35		
	36		

Date Spring, 1976

Subtest Name Environment

Age Group Elementary

Subtest Area Animals

Test Level Early School - Level II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	12	14	2
26	17	19	7
	23		
	50		

Date Spring, 1976

Subtest Name Mathematics

Age Group Elementary

Subtest Area Measurement

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9	12	1	6
19	17	5	
	22	7	
		16	

Date Spring, 1976 Subtest Name Mathematics

Age Group Elementary Subtest Area Counting

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15	13	3	2
18		39	4
20			25
24			

Date Spring, 1976 Subtest Name Mathematics

Age Group Elementary Subtest Area Addition

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14	11	26	8
28	21	30	27
37	29	32	42
45	31	44	
46	36		
47	38		
48	43		
49			

Date Spring, 1976

Subtest Name Mathematics

Age Group Elementary

Subtest Area Subtraction

Test Level Early School - Level 1

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23 34 41 50 52	10 33 35 53 54 55	40 51	

Date Spring, 1976

Subtest Name Letters & Sounds

Age Group Elementary

Subtest Area Recognizing Upper & Lower Case Letters

Test Level Early Level II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			1 11 2 12 3 13 4 5 6 7 8 9 10

Date Spring, 1976

Subtest Name Letters & Sounds

Age Group Elementary

Subtest Area Beginning Sounds

Test Level Early School - Level 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
36 37	40	14 15 16 18 23 25 27 28 30 32 34 35 38 41	17 19 20 21 22 24 26 29 31 33 39

Date Spring, 1976

Subtest Name Aural Comprehension

Age Group Elementary

Subtest Area Interpret

Test Level Early School - Level 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	2 11 24 25	5 6 17 18 27	4

Date Spring, 1976

Subtest Name Aural Comprehension

Age Group Elementary

Subtest Area Retains

Test Level Early School - Level 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14	13	9	1
19	15	10	3
23	16	12	7
26	21		8
	22		

Date Spring, 1976

Subtest Name Word Reading

Age Group Elementary

Subtest Area

Test Level Early School - Level 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%		Moderate 51 - 75%			Good 76 - 100%	
30	7	52	5	27	51	1	23
38	15	57	8	29	54	2	24
39	28		9	32	56	3	25
45	35		10	33		4	26
49	37		11	34		6	31
53	43		12	36		17	
55	46		13	40		18	
58	47		14	41		19	
	48		16	42		21	
	50		20	44		22	

Date Spring, 1976
Subtest Name Sentence Reading
Age Group Elementary
Subtest Area Subject
Test Level Early School - Level II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9	23	3	31
13	28	8	
20	34	10	
		12	
		18	
		19	
		27	
		29	
		38	
		39	

Date Spring, 1976
Subtest Name Sentence Reading
Age Group Elementary
Subtest Area Subject & Number
Test Level Early School - Level 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15	7	1	22
21		2	
		25	

Date Spring, 1976	Subtest Name Sentence Reading
Age Group Elementary	Subtest Area Number & Tense
Test Level Early School - Level 2	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4	16		32
	33		

Date Spring, 1976	Subtest Name Sentence Reading
Age Group Elementary	Subtest Area Tense
Test Level Early School - Level 2	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	6	26	17
24	11	37	
35	14		
36			

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Nouns

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	29	20	3
		27	6
			7
			9
			10
			11
			13
			15
			31

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Nouns

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	29	20	3
		27	6
			7
			9
			10
			11
			13
			15
			31

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Verbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
33	24	12	14
35	28	19	
36			
37			

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Adjectives & Adverbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
16	21	8	1
18	22	17	2
		23	4
		25	5
		26	
		30	
		32	
		34	

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Elementary

Subtest Area Main Idea

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	34	1	4
	37	8	10
	38	16	13
	40	25	19
		28	22
		31	
		43	

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Elementary

Subtest Area Secondary Idea

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	9	6	2
	14	17	11
	15	20	12
	36	21	23
	39	26	24
	41	29	
	44	30	
		32	
		35	

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Elementary

Subtest Area Action

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	33	18	3
	45	27	5
		42	7

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Elementary

Subtest Area Nouns

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11	10	4
	13	12	1
	28	15	5
	39	16	8
	42	24	19
		25	27
		33	31
		40	34
		41	

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Elementary

Subtest Area Verbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18 37	2 3 17 21 23 26	7

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Elementary

Subtest Area Adjectives & Adverbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	9 14 30 32 35	20 29 36 38	6 22

Date Spring, 1976 Subtest Name Word Study Skills

Age Group Elementary Subtest Area Sight Words

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		40	24

Date Spring, 1976 Subtest Name Word Study Skills

Age Group Elementary Subtest Area Initial Consonant

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			1 2 3 4 5

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Elementary

Subtest Area Initial Consonant Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		46 47	11 12 13 14 15 21 22

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Elementary

Subtest Area Final Consonant

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		7	6

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Elementary

Subtest Area Final Consonant Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
49		8	9
		16	10
		18	17
		48	19
			20
			23
			25
			50

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Elementary

Subtest Area Final Vowel Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
52	27	28 45	26
55	29	30 54	38
	31	32 56	41
	34	33 57	43
	42	35 58	51
		36 60	53
		37	59
		39	
		40	
		44	

Date Spring, 1976
Subtest Name Mathematic Concepts
Age Group Elementary
Subtest Area Measurement
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28	11	7	6
	29	17	9
		19	18
		23	

Date Spring, 1976
Subtest Name Mathematic Concepts
Age Group Elementary
Subtest Area Counting
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10	5	4	1
14	13	12	2
21	26	15	3
24	30	16	8
25	32		20
27			22
31			

Date Spring, 1976
Subtest Name Mathematics Computation Applications
Age Group Elementary
Subtest Area Addition
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	6	4	1
	11	9	2
	14	27	3
	25	28	8
	26		15
			16
			17
			29
			30

Date Spring, 1976
Subtest Name Mathematics Computation Applications
Age Group Elementary
Subtest Area Subtraction
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	10	7	5
32	13	19	18
		24	20
		31	21
			22
			23

Date Spring, 1976

Subtest Name Listening Comprehension

Age Group Elementary

Subtest Area

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	11	1	17
7	12	2	20
10	13	3	21
14	18	4	22
	23	6	24
	25	8	
	26	9	
		15	
		16	
		19	

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Nouns

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27	18	11	1
35	29	23	9
36	34		24
			37

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Verbs

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14	5	10	2
15	7	12	3
22		16	4
30			8

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Adjectives & Adverbs

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6	21	13	19
17	25		
20	26		
28	31		
32	33		

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Elementary

Subtest Area Main Idea

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	29	1	4
	34	24	7
		27	10
			13
			17
			19
			31
			37
			40
			43

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Elementary

Subtest Area Secondary Idea

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
33	14	2	3
39	16	6	5
44	26	9	18
	28	11	25
	30	12	
	32	15	
	36	20	
	42	35	
		41	

Date Spring, 1976
Subtest Name Reading - Part A
Age Group Elementary
Subtest Area Action
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	38	8	23
	45	21	

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Elementary
Subtest Area Nouns
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6	27	2 29	1
	32	4 37	9
	35	5 40	12
	43	11 45	15
	44	14	20
		16	30
		17	
		19	
		24	
		25	

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Elementary
Subtest Area Verbs
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
42	31 36 38	28 33 47	3

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Elementary
Subtest Area Adjectives & Adverbs
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
41	18 34 39 46 48	8 10 13 21	22 23 26

Date Spring, 1976

Age Group Elementary

Test Level Primary II

Subtest Name Word Study Skills-Part A

Subtest Area Initial Consonant Cluster

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		8	1 2 9

Date Spring, 1976

Age Group Elementary

Test Level Primary II

Subtest Name Word Study Skills-Part A

Subtest Area Final Consonant Cluster

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		3 10 27	4 5 6 7 29

Date Spring, 1976

Subtest Name Word Study Skills -Part A

Age Group Elementary

Subtest Area Final Vowel Cluster

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	24	11	16
		12	17
		13	19
		14	20
		15	21
		18	22
		25	23
			26
			28
			30

Date Spring, 1976

Subtest Name Word Study Skills-Part B

Age Group Elementary

Subtest Area Multiple Choice

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%		Good 76 - 100%
49	35	31	55	32
54	36	37	58	33
56	39	38	65	34
60	42	40		50
63	45	41		59
	47	43		61
	48	44		62
	53	46		
	57	51		
	64	52		

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Elementary
Subtest Area Counting
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19	8	3	1
26	9	4	6
	12	5	
	14	7	
	21	11	
	28	15	
	31	16	
		24	
		30	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Elementary
Subtest Area Measurement
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
29	20	13	2
	25		10
	27		

Date Spring, 1976	Subtest Name Mathematics Concepts
Age Group Elementary	Subtest Area Addition
Test Level Primary II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
34 35	17	18 23	

Date Spring, 1976	Subtest Name Mathematics Concepts
Age Group Elementary	Subtest Area Subtraction
Test Level Primary II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22			

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Elementary

Subtest Area Addition

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
34	17	3	1
	23	9	2
	24	16	4
	28	18	8
	29	22	10
	31	30	14
	33		

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Elementary

Subtest Area Subtraction

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19	25	11	5
20		12	6
21		13	7
27		26	15
32			

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Elementary

Subtest Area Multiplication

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
37	35 36		

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Elementary

Subtest Area Addition

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	19 21		1 2

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Elementary

Subtest Area Subtraction

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 6 8 20 24	7	3 27	5 28

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Elementary

Subtest Area Multiplication

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9 14	11 18	10	

Date Spring, 1976
Subtest Name Mathematics Applications
Age Group Elementary
Subtest Area Subtraction & Addition Combined
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12 13			

Date Spring, 1976
Subtest Name Mathematics Applications
Age Group Elementary
Subtest Area Counting Money
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25	22	23	

Date Spring, 1976
Subtest Name Mathematics Applications
Age Group Elementary
Subtest Area Measuring
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26			

Date Spring, 1976
Subtest Name Spelling
Age Group Elementary
Subtest Area
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%		Good 76 - 100%	
15	10	12	31	1	22
18	19	13	35	2	23
24	25	14	41	3	32
34	26	17	42	4	37
36	33	20		5	38
43	39	21		6	40
		27		7	
		28		8	
		29		9	
		30		11	
				16	

Date Spring, 1976
Subtest Name Social Science
Age Group Elementary
Subtest Area History
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9		4	8
		12	8
		20	

Date Spring, 1976
Subtest Name Social Science
Age Group Elementary
Subtest Area Government
Test Level Primary 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11		2
	14		6

Date Spring, 1976

Subtest Name Social Science

Age Group Elementary

Subtest Area Economics

Test Level Primary 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	10	3 13	7

Date Spring, 1976

Subtest Name Science

Age Group Elementary

Subtest Area Biology

Test Level Primary 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 18 26	5 10 12 14 24	3 8 15 20 21	1 25

Date Spring, 1976

Subtest Name Science

Age Group Elementary

Subtest Area Chemistry

Test Level Primary 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19 22 27		7 16	2

Date Spring, 1976

Subtest Name Science

Age Group Elementary

Subtest Area Physics

Test Level Primary 2

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23	9 13	6 11	17

Date Spring, 1976

Age Group Elementary

Test Level Primary 2

Subtest Name Listening Comprehension

Subtest Area Comprehension of Spoken Communication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8 43	1 35	2 48	4
14 45	3 38	6	12
17 47	5 40	9	16
20 49	7 42	10	19
23 50	18 44	11	24
28	21 46	13	32
29	25	15	
34	27	22	
37	29	26	
39	30	31	
41	33	36	

Date Spring, 1976

Age Group Elementary

Test Level Primary 3

Subtest Name Vocabulary

Subtest Area Nouns

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8	13	14	2
11	32	18	6
17	42	36	9
20			12
27			
45			

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Verbs

Test Level Primary 3

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7	15		1
19	21		
22	25		
30	29		
	31		

Date Spring, 1976

Subtest Name Vocabulary

Age Group Elementary

Subtest Area Adjectives & Adverbs

Test Level Primary 3

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10 44	3	5	
16	4		
23	26		
24	28		
33	40		
34	41		
37			
38			
39			
43			

Date Spring, 1976

Subtest Name Reading Comprehension

Age Group Elementary

Subtest Area

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 56 69	6 45	1 66	2 16
5 57 70	7 47	22	3 18
29 58	17 48	25	8 19
33 61	23 52	26	9 20
34 62	24 55	27	10 21
36 63	32 59	30	11 28
41 64	35 60	37	12 31
42 65	38	46	13 39
43 67	40	50	14 49
51 68	44	53	15 54

Date Spring, 1976

Subtest Name Word Study Skills-Part A

Age Group Elementary

Subtest Area Beginning Sounds

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9	1	3	5
12	2	4	
	6	7	
	11	8	
		10	

Date Spring, 1976

Subtest Name Word Study Skills-Part B

Age Group Elementary

Subtest Area Ending Sounds

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24	22	14	13
	23	16	15
		17	19
		18	20
			21

Date Spring, 1976

Subtest Name Word Study Skills-Part C

Age Group Elementary

Subtest Area Medial Sound

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
38	30	25	27
42	32	26	31
43	34	28	35
45	39	29	40
49	44	33	46
50	47	36	51
54	48	37	
55	52	41	
	53		

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Elementary
Subtest Area Counting
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	3	1	20
8	4	6	
14	16	7	
18		12	
25			
26			
27			
28			
31			

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Elementary
Subtest Area Addition
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11	32	2	
13		15	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Elementary

Subtest Area Multiplication

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23 24		9 21	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Elementary

Subtest Area Measurement

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
17 30	29	10	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Elementary

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19			20

Date Spring, 1976

Subtest Name Mathematics Computation-Part A

Age Group Elementary

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	3 4	1 2	

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Elementary
Subtest Area Subtraction
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8		6 7 9 10	

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Elementary
Subtest Area Multiplication
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11 13 17 19 22		15	20

Date Spring, 1976

Age Group Elementary

Test Level Primary III

Subtest Name Mathematics Computation-Part A

Subtest Area Division

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14 18 23 24	16	12 21	

Date Spring, 1976

Age Group Elementary

Test Level Primary III

Subtest Name Mathematics Computation-Part B

Subtest Area Addition

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
29	25 26		

Date Spring, 1976
Subtest Name Mathematics Computation-Part B
Age Group Elementary
Subtest Area Subtraction
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28	30	27	

Date Spring, 1976
Subtest Name Mathematics Computation-
Age Group Elementary
Subtest Area Division
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
31 34			

Date Spring, 1976

Age Group Elementary

Test Level Primary III

Subtest Name Mathematics Computation-Part B

Subtest Area Multiplication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	32	33	
	35		
	36		

Date Spring, 1976

Age Group Elementary

Test Level Primary III

Subtest Name Mathematics Applications

Subtest Area Subtraction

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	9		1
8	17		
10			
20			
22			

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Elementary

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24	28	2	4

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Elementary

Subtest Area Multiplication

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
3 11 14 18 19 27	12	21	

Date Spring, 1976
Age Group Elementary
Test Level Primary III
Subtest Name Mathematics Applications
Subtest Area Counting

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6 7			

Date Spring, 1976
Age Group Elementary
Test Level Primary III
Subtest Name Mathematics Application
Subtest Area Division

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
3			1

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Elementary
Subtest Area Measurement
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15 16	25		

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Elementary
Subtest Area Subtraction & Addition
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23 26			

Date Spring, 1976 Subtest Name Spelling

Age Group Elementary Subtest Area

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24 46	16	2 32	1 27
31	20	3 33	4 28
35	22	5 37	6 29
36	26	12	7
38	30	15	8
40	34	17	9
41	39	18	10
42	45	19	11
43	47	21	13
44		23	14
		25	

Date Spring, 1976 Subtest Name Language - Part A

Age Group Elementary Subtest Area Capitalization

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1	8	9	4
10		14	
17		18	
29			
31			

Date Spring, 1976

Subtest Name Language - Part A

Age Group Elementary

Subtest Area Punctuation

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2 6 15 16 34	7	12	3

Date Spring, 1976

Subtest Name Language - Part A

Age Group Elementary

Subtest Area Complete Sentence

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5			

Date Spring, 1976
Subtest Name Language - Part A
Age Group Elementary
Subtest Area Contractions
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22 23 25 30		11	

Date Spring, 1976
Subtest Name Language - Part A
Age Group Elementary
Subtest Area Part of Speech
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	13	21	

Date Spring, 1976 Subtest Name Language - Part A

Age Group Elementary Subtest Area Tense

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19	33	20	
24	35	26	
32	38	27	
36		28	
		37	

Date Spring, 1976 Subtest Name Language - Part B

Age Group Elementary Subtest Area Verb

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	44	39	46
	45	47	

Date Spring, 1976
Subtest Name Language - Part B
Age Group Elementary
Subtest Area Noun
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	40	42	

Date Spring, 1976
Subtest Name Language - Part B
Age Group Elementary
Subtest Area Connection
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
41 48			

Date Spring, 1976
Subtest Name Language - Part B
Age Group Elementary
Subtest Area Adjectives
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	50		

Date Spring, 1976
Subtest Name Language - Part B
Age Group Elementary
Subtest Area Adverbs
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	49		

Date Spring, 1976	Subtest Name Language - Part B
Age Group Elementary	Subtest Area Phrases
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
50			
51			
52			
53			
54			
55			

Date Spring, 1976	Subtest Name Social Science
Age Group Elementary	Subtest Area Geography
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1	11	6	
9	16	33	
20	32		
34	35		
36	39		
40			
41			
42			

Date Spring, 1976
Subtest Name Social Science
Age Group Elementary
Subtest Area History
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7 38 43	2 13 18	17	4 10 15

Date Spring, 1976
Subtest Name Social Science
Age Group Elementary
Subtest Area Government
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21 31 37	12 44	5	3 8 14 23

Date Spring, 1976

Subtest Name Social Science

Age Group Elementary

Subtest Area Economics

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19	27		24
22	29		28
25	30		
26			

Date Spring, 1976

Subtest Name Science

Age Group Elementary

Subtest Area Biology

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	18	3	4
6	20	9	10
13	27	15	
19	29	17	
32	35	28	
40			

Date Spring, 1976
Subtest Name Science
Age Group Elementary
Subtest Area Astronomy
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	12 41	11	1

Date Spring, 1976
Subtest Name Science
Age Group Elementary
Subtest Area Physics
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
16 26 37 39 23	7 24	25	2

Date Spring, 1976

Subtest Name Science

Age Group Elementary

Subtest Area Chemistry

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	8		
38	20		
36	33		
	34		
	42		

Date Spring, 1976

Subtest Name Listening Comprehension

Age Group Elementary

Subtest Area Comprehension of Spoken Communication

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%		Fair 26 - 50%		Moderate 51 - 75%		Good 76 - 100%
8	39	11	38	2	33	1
9	42	13	40	3	35	4
10	45	14	41	5	36	12
15	46	20	43	6	44	27
16	47	21	49	7		
17	48	23		18		
19	50	31		25		
22		32		26		
24		34		28		
30		37		29		

Date Spring, 1976
Subtest Name Environment
Age Group Junior
Subtest Area Personal Surroundings
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
30			1 19 2 20 3 21 5 23 9 27 11 32 12 34 13 42 14 18

Date Spring, 1976
Subtest Name Environment
Age Group Junior
Subtest Area Natural
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28			4 25 40 6 26 41 7 27 8 29 10 31 15 33 16 35 17 36 22 37 24 38

Date Spring, 1976
Subtest Name Mathematics
Age Group Junior
Subtest Area Measurement
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23			6
			7
			9
			12
			20

Date Spring, 1976
Subtest Name Mathematics
Age Group Junior
Subtest Area Counting
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11			5
17			8
19			10
25			14
27			18
			22
			26
			28

Date Spring, 1976
Subtest Name Mathematics
Age Group Junior
Subtest Area Recognizing Numbers
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21			2 4

Date Spring, 1976
Subtest Name Mathematics
Age Group Junior
Subtest Area Volume
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
16 24			13 15

Date Spring, 1976

Subtest Name Letters & Sounds

Age Group Junior

Subtest Area Upper & Lower Case Letters

Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4			1 2 3 5 6 7 8 9 10 11 12 13 14

Date Spring, 1976

Subtest Name Letters & Sounds

Age Group Junior

Subtest Area Beginning Sounds

Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15			16
17			19
18			20
23			21
24			22
26			25
28			27

Date Spring, 1976
Subtest Name Aural Comprehension
Age Group Junior
Subtest Area Interpret
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5			2 23
22			4 24
27			7
			10
			11
			12
			13
			14
			18
			21

Date Spring, 1976
Subtest Name Aural Comprehension
Age Group Junior
Subtest Area Retain
Test Level Early School I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6			1
8			3
20			15
25			16
26			17
			19
			28

Date Spring, 1976

Subtest Name Environment

Age Group Junior

Subtest Area Personal Surroundings

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	27	5	4
		13	8
		25	10
		38	11
		39	15
			20
			22
			24
			29

Date Spring, 1976

Subtest Name Environment

Age Group Junior

Subtest Area Natural

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	9	28	1
		35	3
			6
			16
			18
			31
			33
			34
			36

Date Spring, 1976 Subtest Name Environment

Age Group Junior Subtest Area Animals

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7	12	2
		14	19
		17	26
		21	30
		23	

Date Spring, 1976 Subtest Name Mathematics

Age Group Junior Subtest Area Measurement

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		17	1
		22	5
			6
			7
			9
			12
			16
			19

Date Spring, 1976 Subtest Name Mathematics

Age Group Junior Subtest Area Counting

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18	2	4
		3	
		13	
		15	
		20	
		24	
		25	
		39	

Date Spring, 1976 Subtest Name Mathematics

Age Group Junior Subtest Area Addition

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%	
	21	11	8	43
	37	14	26	44
	47	38	27	45
		46	28	
		48	29	
		49	30	
			31	
			32	
			36	
			42	

Date Spring, 1976
Subtest Name Mathematics
Age Group Junior
Subtest Area Subtraction
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	10	33	50
	23	35	51
	34	40	52
		41	54
		53	55

Date Spring, 1976
Subtest Name Letters & Sounds
Age Group Junior
Subtest Area Recognizing of Upper and Lower Case Letters
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		12	1 11
		13	2
			3
			4
			5
			6
			7
			8
			9
			10

Date Spring, 1976

Subtest Name Letters & Sounds

Age Group Junior

Subtest Area Beginning Sounds

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	41	25 26 35 36 37	14 15 16 17 18 19 20 21 22 23 24 27-34 38 39

Date Spring, 1976

Subtest Name Aural Comprehension

Age Group Junior

Subtest Area Interpret

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
18 27		5 24	2 4 6 11 17 20 25

Date **Spring, 1976**

Subtest Name **Aural Comprehension**

Age Group **Junior**

Subtest Area **Retains**

Test Level **Early School II**

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	22	12	1
	23	14	3
		16	7
		26	8
			9
			10
			13
			15
			19

Date **Spring, 1976**

Subtest Name **Word Reading**

Age Group **Junior**

Subtest Area **Choice of Identity**

Test Level **Early School II**

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
35	18 58	12 48	1 - 11
37	26	20 50	13 - 17
	40	22 53	19 34
	43	29	21 36
	44	30	23 38
	45	31	24 42
	49	33	25 46
	54	37	27 47
	55	39	28 51
	56	41	32 52

Date Spring, 1976

Subtest Name Sentence Reading

Age Group Junior

Subtest Area Subject

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	8	29	3
13	9		
18	10		
23	19		
28	20		
31	27		
34	38		
	39		

Date Spring, 1976

Subtest Name Sentence Reading

Age Group Junior

Subtest Area Subject & Number

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15	7	1	2
22	21		
	25		

Date Spring, 1976
Subtest Name Sentence Reading
Age Group Junior
Subtest Area Number & Tense
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
16 33		4 32	

Date Spring, 1976
Subtest Name Sentence Reading
Age Group Junior
Subtest Area Tense
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5 35 36	11 17 37	6 14 24 26	

Date Spring, 1976
Subtest Name Vocabulary
Age Group Junior
Subtest Area Nouns
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		27	3
		29	6
			7
			9
			10
			11
			13
			15
			20
			31

Date Spring, 1976
Subtest Name Vocabulary
Age Group Junior
Subtest Area Verbs
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28	37	14	12
		24	19
		33	
		35	
		36	

Date Spring, 1976

Subtest Name Vocabulary

Age Group Junior

Subtest Area Adjectives & Adverbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
30		8	1
		16	2
		18	4
		22	5
		25	17
		26	21
		34	23
			32

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Junior

Subtest Area Main Idea

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%	
			1	31
			4	34
			8	37
			10	38
			13	40
			16	43
			19	
			22	
			25	
			28	

Date Spring, 1976
Subtest Name Reading - Part A
Age Group Junior
Subtest Area Secondary Idea
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		14 20 26 30 32 39 44	2 6 9 11 12 15 17 21 23 24 29 35 36 41

Date Spring, 1976
Subtest Name Reading - Part A
Age Group Junior
Subtest Area Action
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		3 33 42	5 7 18 27 45

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Junior
Subtest Area Nouns
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	13	5	1 34
	39	15	4
		16	8
		25	10
		27	11
		31	12
		40	19
		41	24
		42	28
			33

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Junior
Subtest Area Verbs
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23	37	2
			3
			7
			17
			18
			21
			26

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Junior

Subtest Area Adjectives & Adverbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	38	14	6
		30	9
		32	20
		35	22
		36	29

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Junior

Subtest Area Sight Words

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		40	24

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Junior

Subtest Area Initial Consonant

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			1
			2
			3
			4
			5

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Junior

Subtest Area Final Consonant

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			6
			7

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Junior

Subtest Area Initial Consonant Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		11	12
		22	13
		46	14
			15
			21
			47

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Junior

Subtest Area Final Consonant Cluster

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		18	8
		49	9
		50	10
			16
			17
			19
			20
			23
			25
			48

Date Spring, 1976
Subtest Name Word Study Skills
Age Group Junior
Subtest Area Final Vowel Cluster
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%		Good 76 - 100%	
		26	55	27	41
		31	56	28	43
		33	57	29	53
		34	58	30	60
		42	59	32	
		44		35	
		45		36	
		51		37	
		52		38	
		54		39	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Junior
Subtest Area Measurement
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11	6	7
	17	18	9
	19	29	23
			28

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Junior
Subtest Area Counting
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25	21	5	1
32	30	13	2
	31	14	3
		16	4
		20	8
		22	10
		26	12
		27	15
			24

Date Spring, 1976
Subtest Name Mathematics Computation & Application
Age Group Junior
Subtest Area Addition
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%	
	11	25	1	29
	14	26	2	
		27	3	
		28	4	
		30	6	
			8	
			9	
			15	
			16	
			17	

Date Spring, 1976
Subtest Name Mathematics Computation & Application
Age Group Junior
Subtest Area Subtraction
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10 13	23 31	7 12 18 19 20 21 22 24 32	5

Date Spring, 1976
Subtest Name Listening Comprehension
Age Group Junior
Subtest Area Multiple Choice
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	4 5 14 19 21 24	1 3 6 8 9 10 11 12 13 15 16 17 20 22 23 26	2 7 18 25

Date Spring, 1976 Subtest Name Vocabulary

Age Group Junior Subtest Area Nouns

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23	24	9	1
29	34	11	18
35	37	27	
		36	

Date Spring, 1976 Subtest Name Vocabulary

Age Group Junior Subtest Area Verbs

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	8	7	2
	30	12	3
		16	4
		22	5
			10
			14
			15

Date Spring, 1976		**Subtest Name** Vocabulary	
Age Group Junior		**Subtest Area** Adjectives & Adverbs	
Test Level Primary II			

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
17	25	6	
20	28	13	
21	31	19	
32	33	26	

Date Spring, 1976		**Subtest Name** Reading - Part A	
Age Group Junior		**Subtest Area** Main Idea	
Test Level Primary II			

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
33		1	4
		7	10
		19	13
		24	17
		29	27
		32	31

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Junior

Subtest Area Secondary Idea

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%		Good 76 - 100%
33	20	3	36	2
39	42	5	41	15
		6	44	16
		9		25
		11		28
		12		30
		14		35
		18		
		26		
		32		

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Junior

Subtest Area Action

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	8	22	
45		23	
		38	

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Junior
Subtest Area Nouns
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%		Good 76 - 100%
6	5	2	30	1
	14	7	35	4
	15	9	40	12
	17	11		45
	24	16		
	32	19		
	37	20		
	43	25		
	44	27		
		29		

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Junior
Subtest Area Verbs
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
42	28	3	
47	33	31	
	36	38	

Date Spring, 1976

Age Group Junior

Test Level Primary II

Subtest Name Reading - Part B

Subtest Area Adjectives & Adverbs

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
39	18	8	10
	23	13	
	34	21	
	41	22	
	46	26	
	48		

Date Spring, 1976

Age Group Junior

Test Level Primary II

Subtest Name Word Study Skills

Subtest Area Initial Consonant Cluster

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			1
			2
			8
			9

Date Spring, 1976
Subtest Name Word Study Skills - Part A
Age Group Junior
Subtest Area Final Consonant Cluster
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	27	3	4
	29	6	5
			7
			10

Date Spring, 1976
Subtest Name Word Study Skills - Part A
Age Group Junior
Subtest Area Final Vowel Cluster
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	21	11 26	16
	29	12	17
	28	13	18
		14	22
		15	30
		19	
		20	
		23	
		24	
		25	

Date Spring, 1976

Age Group Junior

Test Level Primary II

Subtest Name Word Study Skills - Part B

Subtest Area Multiple Choice

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
46	31	32 59	40
52	34	33 60	42
53	35	36	43
54	45	37	44
55	47	38	61
56	48	39	62
64	49	41	
	51	50	
	63	57	
	65	58	

Date Spring, 1976

Age Group Junior

Test Level Primary II

Subtest Name Mathematics Concepts

Subtest Area Counting

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
33	21	5 32	1
	26	6	3
		11	4
		12	7
		14	8
		15	9
		19	16
		24	31
		28	
		30	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Measurement

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25	27	10	2 13 20 29

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Addition

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23 34 35	17	18

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Subtraction

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22			

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Junior

Subtest Area Addition

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	22	17 28 29 31 33	1 23 2 24 3 30 4 34 8 9 10 14 16 18

Date Spring, 1976
Subtest Name Mathematics Computation
Age Group Junior
Subtest Area Subtraction
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26	21	7	5
27	25	11	6
	32	13	12
		20	15
			19

Date Spring, 1976
Subtest Name Mathematics Computation
Age Group Junior
Subtest Area Multiplication
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	37	35	
		36	

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Subtraction

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	4 5	7 20 24 27 28	3 6 8

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Addition

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		1 21	2 19

Date Spring, 1976 Subtest Name Mathematics Applications
Age Group Junior Subtest Area Multiplication
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	14	9 11	10 18

Date Spring, 1976 Subtest Name Mathematics Application
Age Group Junior Subtest Area Subtraction & Addition Combination
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		12 13	

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Counting Money

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		22 25	23

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Measuring

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	26		

Date Spring, 1976
Subtest Name Spelling
Age Group Junior
Subtest Area
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%		Good 76 - 100%		
39	24	6	30	1	13	38
42	26	10	31	2	14	40
	43	15	32	3	16	41
		18	34	4	17	
		20	37	5	19	
		21		7	25	
		22		8	27	
		23		9	33	
		28		11	35	
		29		12	36	

Date Spring, 1976
Subtest Name Social Science
Age Group Junior
Subtest Area History
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	1	4	8
	9		12
	20		

Date Spring, 1976

Subtest Name Social Science

Age Group Junior

Subtest Area Government

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14		2 6 11	

Date Spring, 1976

Subtest Name Social Science

Age Group Junior

Subtest Area Economics

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7		3 10 13	

Date Spring, 1976 **Subtest Name** Social Science

Age Group Junior **Subtest Area** Geography

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	21	15	5
	25	16	17
	27	22	18
		23	19
		24	
		26	

Date Spring, 1976 **Subtest Name** Science

Age Group Junior **Subtest Area** Biology

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	18	3	1
26	20	10	4
	21		5
	24		8
			14
			15
			25

Date Spring, 1976 Subtest Name Science
Age Group Junior Subtest Area Chemistry
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27	19	22	2 7 16

Date Spring, 1976 Subtest Name Science
Age Group Junior Subtest Area Physics
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13		6 9 11 23	17

Date Spring, 1976
Age Group Junior
Test Level Primary II
Subtest Name Listening Comprehension
Subtest Area Comprehension of Spoken Communication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6	1 45	4 24 50	2
8	21 49	5 25	3
14	23	7 26	12
17	28	9 29	13
20	30	10 31	19
44	34	11 35	27
47	38	15 36	32
48	39	16 37	33
	40 1	18 42	46
	41	22 43	

Date Spring, 1976
Age Group Junior
Test Level Primary III
Subtest Name Vocabulary
Subtest Area Nouns

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	27		2 20
	35		6 32
	36		8
	42		9
	45		11
			12
			13
			14
			17
			18

Date Spring, 1976 **Subtest Name** Vocabulary

Age Group Junior **Subtest Area** Verbs

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19	22 29		1 7 15 21 25 30 31

Date Spring, 1976 **Subtest Name** Vocabulary

Age Group Junior **Subtest Area** Adjectives & Adverbs

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26 43	5 33 41		3 4 10 16 23 24 28 34 37 38 39 40 44

Date Spring, 1976
Subtest Name Reading Comprehension
Age Group Junior
Subtest Area
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%		Fair 26 - 50%		Moderate 51 - 75%			Good 76 - 100%
4	62	13	50	10	24	52	1
5	67	22	55	11	25	53	2
29	70	33	58	12	27	57	3
32		34	65	14	28	60	6
41		35	66	15	31	64	7
46		37	68	16	36	63	8
51		40	69	17	38		9
54		45		18	39		19
56		47		20	42		26
59		48		21	43		30
61		49		23	44		

Date Spring, 1976
Subtest Name Word Study - Part A
Age Group Junior
Subtest Area Beginning Sounds
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8	7	1	4
9	10	2	6
	11	3	
	12	5	

Date Spring, 1976
Subtest Name Word Study - Part B
Age Group Junior
Subtest Area Ending Sounds
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	13	15	16
23	14	22	17
	19	24	18
	20		

Date Spring, 1976
Subtest Name Word Study - Part C
Age Group Junior
Subtest Area Medial Sounds
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%		Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25	46	26	41	37
28	47	27	42	43
30	50	29	51	
32	52	31		
34	53	33		
35	54	39		
36	55	40		
38		48		
39		49		
44				
45				

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Counting

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6	1	7	4
25	3	12	8
	5	18	
	14	20	
	16	26	
	27	28	
		31	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	32	2	
		11	
		15	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Multiplication

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24		9 23	21

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Measurement

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
30	17 29	10	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22			19

Date Spring, 1976

Subtest Name Mathematics Computation-Part A

Age Group Junior

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	3 5	4	1 2

Date Spring, 1976

Age Group Junior

Test Level Primary III

Subtest Name Mathematics Computation Part A

Subtest Area Subtaction

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7	6 8 9 10	

Date Spring, 1976

Age Group Junior

Test Level Primary III

Subtest Name Mathematics Computation Part A

Subtest Area Multiplication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22	19	13 20	11 15 17

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Junior

Subtest Area Part A Division

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
18	14	12	
24	16		
	21		
	23		

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Junior

Subtest Area Part B Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	26		25
	29		

Date Spring, 1976

Subtest Name Mathematics Computation Part B

Age Group Junior

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			27 28 30

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Junior

Subtest Area Division

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
31	34		

Date Spring, 1976	**Subtest Name** Mathematics Computation Part B
Age Group Junior	**Subtest Area** Multiplication
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
35 36			32 33

Date Spring, 1976	**Subtest Name** Mathematics Applications
Age Group Junior	**Subtest Area** Subtraction
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	5 8 17 20		1 9 10 22

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28	24		2 4

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Junior

Subtest Area Multiplication

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
18 19	11 27	12 14 21	3

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Junior
Subtest Area Counting
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			6 7

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Junior
Subtest Area Division
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		13	

Date Spring, 1976 **Subtest Name** Mathematics Application

Age Group Junior **Subtest Area** Measurement

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15		25	
16			

Date Spring, 1976 **Subtest Name** Mathematics Application

Age Group Junior **Subtest Area** Subtraction & Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23	26	

Date Spring, 1976

Subtest Name Language - Part A

Age Group Junior

Subtest Area Capitalization

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8	1		4
17	29		9
	31		10
			14
			18

Date Spring, 1976

Subtest Name Language - Part A

Age Group Junior

Subtest Area Punctuation

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15	2		6
16	3		
34	7		
	12		

Date Spring, 1976
Subtest Name Language - Part A
Age Group Junior
Subtest Area Complete Sentence
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	5		

Date Spring, 1976
Subtest Name Language - Part A
Age Group Junior
Subtest Area Contractions
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23	11		
30	22		
	25		

Date Spring, 1976
Subtest Name Language - Part A
Age Group Junior
Subtest Area Parts of Speech
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	13		
	21		

Date Spring, 1976
Subtest Name Language - Part A
Age Group Junior
Subtest Area Tense
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27	20		19
28	24		26
	33		32
	35		38
	36		
	37		

Date Spring, 1976

Subtest Name Language - Part B

Age Group Junior

Subtest Area Verb

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	44 46 47		39 45

Date Spring, 1976

Subtest Name Language - Part B

Age Group Junior

Subtest Area Nouns

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			40 42

Date Spring, 1976	**Subtest Name** Language - Part B
Age Group Junior	**Subtest Area** Connections
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	41		48

Date Spring, 1976	**Subtest Name** Language - Part B
Age Group Junior	**Subtest Area** Adjectives
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			43

Date Spring, 1976	**Subtest Name** Language - Part B
Age Group Junior	**Subtest Area** Adverbs
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	49		

Date Spring, 1976	**Subtest Name** Language - Part B
Age Group Junior	**Subtest Area** Phrases
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
51	50 52 53 54 55		

Date Spring, 1976 **Subtest Name** Social Science
Age Group Junior **Subtest Area** Geography
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11 16 20			1 41 6 42 9 32 33 34 35 36 39 40

Date Spring, 1976 **Subtest Name** Social Science
Age Group Junior **Subtest Area** History
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7 13 17 18			2 4 10 15 38 43

Date Spring, 1976	**Subtest Name** Social Science
Age Group Junior	**Subtest Area** Government
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12 14			3 5 8 21 23 31 37 44

Date Spring, 1976	**Subtest Name** Social Science
Age Group Junior	**Subtest Area** Economics
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22 29 30			19 24 25 27 28

Date Spring, 1976
Subtest Name Science
Age Group Junior
Subtest Area Biology
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 28			3
5 29			6
9 32			10
13 35			27
14 40			
15			
17			
18			
19			
20			

Date Spring, 1976
Subtest Name Science
Age Group Junior
Subtest Area Astronomy
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11			1
41			12

Date Spring, 1976
Subtest Name Science
Age Group Junior
Subtest Area Physics
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
16			2
37			7
			25
			26
			23
			24
			39

Date Spring, 1976
Subtest Name Science
Age Group Junior
Subtest Area Chemistry
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8			
20			
21			
38			
33			
34			
36			
42			

Date Spring, 1976
Subtest Name Listening Comprehension
Age Group Junior
Subtest Area Comprehend Spoken Communication
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1 46			2 41
9 50			3 43
10			4 47
33			5 48
35			6 49
38		7	7
39			8
40			11 - 32
42			34
44			36
45			37

Date Spring, 1976
Subtest Name Vocabulary
Age Group Junior
Subtest Area Nouns
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
39	4	6	38
40	19	9	42
41	31	14	45
49	36	17	
	48	25	
		29	

Date Spring, 1976
Subtest Name Vocabulary
Age Group Junior
Subtest Area Verbs
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8	5	1	33
21	12	2	
28	20	11	
	30	16	
	35	18	
	37	23	
	34		
	46		

Date Spring, 1976
Subtest Name Vocabulary
Age Group Junior
Subtest Area Adjectives & Adverbs
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24	26	3	32
50	43	7	
	44	10	
	47	13	
		15	
		22	
		27	

Date Spring, 1976

Subtest Name Reading Comprehension

Age Group Junior

Subtest Area

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22 53	10 47	3 31	1 65
28 57	11 49	5 33 - 37	2
29 58	13 56	6 43	4
39 60	14 59	7 50	8
40 63	20 66	9 51	15 - 19
42 71	26 69	12 55	24
44	27 70	21 64	38
45	32	23 67	54
48	41	25 68	61
52	46	30 72	62

Date Spring, 1976

Subtest Name Word Study, Part A

Age Group Junior

Subtest Area Phonetic Analysis

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	8	1	3
16	10	2	18
17	12	4	19
24	14	6	
	15	7	
	20	9	
	21	11	
	22	13	
	25	23	

Date Spring, 1976
Subtest Name Word Study - Part B
Age Group Junior
Subtest Area Structural Analysis
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
45	31	26 39	40
47	33	27 48	41
53	36	28 49	42
	46	29 51	43
	50	30	44
	54	32	52
	55	34	
		35	
		37	
		38	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Junior
Subtest Area Counting
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22		3	
		4	
		8	
		31	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Junior
Subtest Area Addition
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11	1	7
		2	25
		6	28
		9	
		12	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Junior
Subtest Area Multiplication
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	16		26

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Subtraction

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23	27		10

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Measurement

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	14	13	15
24		29	
		32	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Measurement

Test Level Intermediate

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21 24	14	13 29 32	15

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Fractions

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	19	17	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Division

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
18 30			

Date Spring, 1976

Subtest Name Mathematics Computation Part A

Age Group Junior

Subtest Area Addition

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
17	2	1	

Date Spring, 1976

Subtest Name Mathematics Computation Part A

Age Group Junior

Subtest Area Multiplication

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		5 12 15	6 7 14 16

Date Spring, 1976

Subtest Name Mathematics Computation Part A

Age Group Junior

Subtest Area Division

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18		8 9 10 11

Date Spring, 1976

Subtest Name Mathematics Computation Part A

Age Group Junior

Subtest Area Subtraction

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		3 4	13

Date Spring, 1976

Subtest Name Mathematics Computation Part B

Age Group Junior

Subtest Area Addition

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		21 22 36 38	19

Date Spring, 1976

Age Group Junior

Test Level Intermediate I

Subtest Name Mathematics Computation Part B

Subtest Area Multiplication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	34	20	23
		33	28
		35	
		40	

Date Spring, 1976

Age Group Junior

Test Level Intermediate I

Subtest Name Mathematics Computation - Part B

Subtest Area Division

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		27	26
		30	31
		32	
		39	

Date Spring, 1976
Subtest Name Mathematics Computation Part B
Age Group Junior
Subtest Area Subtraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		29	24
		37	25

Date Spring, 1976
Subtest Name Mathematics Applications
Age Group Junior
Subtest Area Addition
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	8	7	1
	34	17	2
	36	31	4
	39	32	6
			9
			21
			22

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Subtraction

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	38	14 18 19 29	10 24

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Junior

Subtest Area Multiplication

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
35	33	3 28	

Date Spring, 1976 Subtest Name Mathematics Applications

Age Group Junior Subtest Area Division

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26	5	16	11
	23	30	
	35	40	
	27		
	37		

Date Spring, 1976 Subtest Name Mathematics Applications

Age Group Junior Subtest Area Measurement

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		13	15

Date Spring, 1976

Subtest Name Spelling - Part A

Age Group Junior

Subtest Area Misspelled Words in Phrases

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	1		6
	2		
	3		
	4		
	5		
	7		
	8		

Date Spring, 1976

Subtest Name Spelling - Part B

Age Group Junior

Subtest Area Misspelled Words in Phrases

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%			Moderate 51 - 75%	Good 76 - 100%
15	10	24	45		9
19	11	25	47		13
26	12	26	48		21
31	14	28	49		30
32	16	29	50		38
35	17	33			39
37	18	34			40
41	20	36			
43	22	42			
46	23	44			

Date Spring, 1976
Subtest Name Language - Part A
Age Group Junior
Subtest Area Capitalization
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
30	8 12 17 19 21 29 31		

Date Spring, 1976
Subtest Name Language - Part A
Age Group Junior
Subtest Area Punctuation
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
3 20	5 6 9 10		1

Date Spring, 1976	Subtest Name Language - Part A
Age Group Junior	Subtest Area Contractions
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23 24		

Date Spring, 1976	Subtest Name Language - Part A
Age Group Junior	Subtest Area Parts of Speech
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
32 37	7 26 33 35 40 41 42		36

Date Spring, 1976

Subtest Name Language - Part A

Age Group Junior

Subtest Area Tense

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
34	2 4 11 13 14 15 18 22 25 27 28 38 39		16

Date Spring, 1976

Subtest Name Language - Part B

Age Group Junior

Subtest Area Complete Sentences with Phrases

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
43 44 45	46 47 48		

Date Spring, 1976

Subtest Name Language - Part C

Age Group Junior

Subtest Area Sentence Completion With Words

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
51	49		52
58	50		55
59	53		60
61	54		65
62	56		
63	57		
66	64		
	67		
	68		
	69		

Date Spring, 1976

Subtest Name Language - Part D

Age Group Junior

Subtest Area Match Answers to Questions

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
78	70		73
79	71		75
	72		77
	74		
	76		

Date Spring, 1976

Subtest Name Social Science

Age Group Junior

Subtest Area Geography

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%		Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4	42			38
9	43			39
10	45			44
12	47			
15	48			
16				
17				
22				
27				
40				
41				

Date Spring, 1976

Subtest Name Social Studies

Age Group Junior

Subtest Area History

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7			21
24			26
25			37
29			
32			
34			
36			

Date Spring, 1976
Subtest Name Social Science
Age Group Junior
Subtest Area Government
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11 28 49 51 52			2 6 30 35 53 54

Date Spring, 1976
Subtest Name Social Science
Age Group Junior
Subtest Area Economics
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1 3 8 13 18 19 23 31 33 50 56 58 59			5 14 20 46 57 60

Date Spring, 1976

Subtest Name Science

Age Group Junior

Subtest Area Biology

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1 7 10 12 30 35 39 43 45 46 53 54 55 57 59			6 14 19 34 44 51 60

Date Spring, 1976

Subtest Name Science

Age Group Junior

Subtest Area

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11 17 32 47			

Date Spring, 1976
Subtest Name Science
Age Group Junior
Subtest Area Physics
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
38			50
49			
56			

Date Spring, 1976
Subtest Name Science
Age Group Junior
Subtest Area Chemistry
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5 33			3
13 36			4
15 37			8
16			9
18			24
21			25
22			26
23			27
29			28
31			40

Date Spring, 1976	Subtest Name Science
Age Group Junior	Subtest Area Matter
Test Level Intermediate I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2 20			

Date Spring, 1976	Subtest Name Vocabulary
Age Group Junior	Subtest Area
Test Level Intermediate II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No record of students taking this subtest			

Date Spring, 1976

Subtest Name Reading Comprehension

Age Group Junior

Subtest Area

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%			Fair 26 - 50%			Moderate 51 - 75%	Good 76 - 100%
3	29	59-63	1	27	50	8	49
4	32	65-68	2	30	51	10	
6	33	70	5	31	58	11	
9	34		7	35	64	14	
12	40		13	36	69	28	
16	41		15	37	71		
18	44		17	38			
19	45		20	39			
21	46		23	42			
22	48		25	43			
24	52 - 57		26	47			

Date Spring, 1976

Subtest Name Word Study - Part A

Age Group Junior

Subtest Area Phonetic Analysis

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%			Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2	15	24	17		
3	16	25			
4	9				
5	13				
6	1				
7	18				
8	19				
10	20				
11	21				
12	22				
14	23				

Date Spring, 1976

Subtest Name Word Study - Part B

Age Group Junior

Subtest Area Structural Analysis

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26 - 35	36	48	
37	38		
40 - 46	39		
	47		
	49		
	50		

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Junior

Subtest Area Counting

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1	9		
5	35		
12			
17			
27			
34			

Date Spring, 1976 Subtest Name Mathematics Concepts

Age Group Junior Subtest Area Addition

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2 6 14 33			

Date Spring, 1976 Subtest Name Mathematics Concepts

Age Group Junior Subtest Area Multiplication

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	25 31	7	

Date Spring, 1976	Subtest Name Mathematics Concepts
Age Group Junior	Subtest Area Subtraction
Test Level Intermediate II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	3 15		

Date Spring, 1976	Subtest Name Mathematics Concepts
Age Group Junior	Subtest Area Measurement
Test Level Intermediate II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 8 11 16 18 26 28 29 32 34		21 30	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Junior
Subtest Area Fractions
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19 20 22 23	24		

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Junior
Subtest Area Division
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10			

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Junior
Subtest Area
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
3	7 16	1 2	

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Junior
Subtest Area Multiplication
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6 8 9 13 14 15 21 23	20		

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Junior
Subtest Area Subtraction
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4	5		
24			

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Junior
Subtest Area Division
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10	11		
12	17		
18	22		
19			

Date Spring, 1976

Age Group Junior

Test Level Intermediate II

Subtest Name Mathematics Computation Part B

Subtest Area Addition

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26 32 34 42			

Date Spring, 1976

Age Group Junior

Test Level Intermediate II

Subtest Name Mathematics Computation Part B

Subtest Area Multiplication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25 35 40 41 45	36		

Date Spring, 1976

Age Group Junior

Test Level Intermediate II

Subtest Name Mathematics Computation Part B

Subtest Area Subtraction

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
33 37 44	27		

Date Spring, 1976

Age Group Junior

Test Level Intermediate II

Subtest Name Mathematics Computation

Subtest Area Division

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28 29 30 38 43	31	44	

Date Spring, 1976
Subtest Name Mathematics Applications
Age Group Junior
Subtest Area Addition
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	18		
22			
26			
30			

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Junior
Subtest Area Subtraction
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	15	29	
6	21		
8			
14			
25			
34			
36			

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Multiplication

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1		23	
3			
12			
16			
17			
19			

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Junior

Subtest Area Division

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2	20		
4	24		
7	33		
10	37		
9	38		
11			
31			
32			
35			
40			

Date Spring, 1976
Subtest Name Mathematics Applications
Age Group Junior
Subtest Area Measurement
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27 39	28		

Date Spring, 1976
Subtest Name Spelling
Age Group Junior
Subtest Area
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No record of juniors taking this test			

Date Spring, 1976
Subtest Name Language
Age Group Junior
Subtest Area
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this subtest			

Date Spring, 1976
Subtest Name Social Science
Age Group Junior
Subtest Area
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this subtest			

Date Spring, 1976
Subtest Name Science
Age Group Junior
Subtest Area
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test			

Date Spring, 1976
Subtest Name Environment
Age Group Senior
Subtest Area Personal Surroundings
Test Level Early Scho[illegible] II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22			4
24			5
27			8
38			10
			11
			13
			15
			20
			25
			29
			39

Date Spring, 1976

Subtest Name Environment

Age Group Senior

Subtest Area Natural

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
31			1
35			3
36			6
			9
			16
			18
			28
			32
			33
			34

Date Spring, 1976

Subtest Name Environment

Age Group Senior

Subtest Area Animals

Test Level Early Level II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21			2
26			7
30			12
			14
			17
			19
			23

Date Spring, 1976

Subtest Name Mathematics

Age Group Senior

Subtest Area Measurement

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5			1
12			6
17			7
19			9
22			16

Date Spring, 1976

Subtest Name Mathematics

Age Group Senior

Subtest Area Counting

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13			2
15			3
18			4
20			25
24			39

Date Spring, 1976
Subtest Name Mathematics
Age Group Senior
Subtest Area Addition
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8			21 48
11			26 49
14			27
28			32
29			36
30			37
31			38
43			42
45			44
46			47

Date Spring, 1976
Subtest Name Mathematics
Age Group Senior
Subtest Area Subtraction
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23 54			10
33			55
34			
35			
40			
41			
50			
51			
52			
53			

Date Spring, 1976
Subtest Name Letters & Sounds
Age Group Senior
Subtest Area Upper & Lower Case Letters Recognition
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12			1 11
			2 13
			3
			4
			5
			6
			7
			8
			9
			10

Date Spring, 1976
Subtest Name Letters & Sounds
Age Group Senior
Subtest Area Beginning Sounds
Test Level

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15 30			14
18 31			16
19 33			17
20 34			21
23 35			22
24 36			32
25 37			40
26 38			
27 39			
28 41			
29			

Date Spring, 1976
Subtest Name Aural Comprehension
Age Group Senior
Subtest Area Interpret
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
17			2
27			4
			5
			6
			11
			18
			20
			24
			25

Date Spring, 1976
Subtest Name Aural Comprehension
Age Group Senior
Subtest Area Retains
Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9			1 23
14			3
19			7
22			8
26			10
			12
			13
			15
			16
			21

Date Spring, 1976 Subtest Name Word Reading

Age Group Senior Subtest Area

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 24 42-44			1 22
5 26 47-53			2 25
7 29 55-58			3 27
9 30			6 28
11 31			8 34
12 32			10 35
18 33			13 37
19 36			14 40
20 38			15 45
21 39			16 46
23 41			17 54

Date Spring, 1976 Subtest Name Sentence Reading

Age Group Senior Subtest Area Subject

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
3 31			8
10 34			9
12 39			28
13			38
18			
19			
20			
23			
27			
29			

Date Spring, 1976		Subtest Name Sentence Reading	
Age Group Senior		Subtest Area Subject & Numbers	
Test Level Early School II			
Items Which Fell Into Various Performance Levels			
Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1 7 15 21 25			2 22

Date Spring, 1976		Subtest Name Sentence Reading	
Age Group Senior		Subtest Area Number & Tense	
Test Level Early School II			
Items Which Fell Into Various Performance Levels			
Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 16 32 33			

Date Spring, 1976 Subtest Name Sentence Reading

Age Group Senior Subtest Area Tense

Test Level Early School II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5			36
6			
11			
14			
17			
24			
26			
35			
37			

Date Spring, 1976 Subtest Name Vocabulary

Age Group Senior Subtest Area

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%

No record of students taking this test.

Date Spring, 1976	Subtest Name Reading - Part A
Age Group Senior	Subtest Area Main Idea
Test Level Primary I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	43	16 31 37 38 40	1 4 8 10 13 19 22 25 28 34

Date Spring, 1976	Subtest Name Reading - Part A
Age Group Senior	Subtest Area Secondary Idea
Test Level Primary I	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20 39	9 14 15 32 35 36 41	2 11 12 17 21 23 24 40	6 26 29 30 44

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Senior

Subtest Area Action

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18	27	3
	33		5
	42		7
	45		

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Senior

Subtest Area Nouns

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	28	15	1 34
24	31	16	4
39	41	27	5
		40	8
		42	10
			11
			12
			19
			25
			33

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Senior

Subtest Area Verbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
18	7	3	2
	17	21	
	37	23	
		26	

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Senior

Subtest Area Adjectives & Adverbs

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	14	9	6
	22	29	20
	36	30	38
		32	
		35	

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Senior

Subtest Area Sight Words

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		24	40

Date Spring, 1976

Subtest Name Word Study Skills

Age Group Senior

Subtest Area Initial Consonant

Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			1 2 3 4 5

Date Spring, 1976
Subtest Name Word Study Skills
Age Group Senior
Subtest Area Final Consonant
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			6 7

Date Spring, 1976
Subtest Name Word Study Skills
Age Group Senior
Subtest Area Initial Consonant Cluster
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	46	13 21 47	11 12 14 15 22

Date Spring, 1976
Age Group Senior
Test Level Primary I
Subtest Name Word Study Skills
Subtest Area Final Consonant Cluster

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	18	8	10
	49	9	17
		16	19
		20	23
		48	25
			50

Date Spring, 1976
Age Group Senior
Test Level Primary I
Subtest Name Word Study Skills
Subtest Area Final Vowel Cluster

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
44	27	31	26
45	29	32	28
52	30	33	35
53	37	34	36
56	43	39	38
	59	42	41
	60	51	58
		54	
		55	
		57	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Measurement
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
18	9	7	6
	11	23	18
			19
			28
			29

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Counting
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
21	14	2	1
	24	3	4
	25	10	5
	26	12	8
	27	13	15
	30	16	20
	31		22
	32		

Date Spring, 1976
Age Group Senior
Test Level Primary I
Subtest Name Mathematics Computation and Application
Subtest Area Addition

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26	2 6 14 25	1 4 9 11 30	3 8 15 16 17 27 28 29

Date Spring, 1976
Age Group Senior
Test Level Primary I
Subtest Name Mathematics Computation and Application
Subtest Area Subtraction

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10 32	20 22	7 12 13 21 24 31	5 18 19 23

Date Spring, 1976
Subtest Name Listening Comprehension
Age Group Senior
Subtest Area
Test Level Primary I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No record of students taking this test			

Date Spring, 1976
Subtest Name Vocabulary
Age Group Senior
Subtest Area Nouns
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
9			1
23			11
27			18
34			24
35			29
37			36

Date Spring, 1976 Subtest Name Vocabulary

Age Group Senior Subtest Area Verbs

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15 16			2 3 4 5 7 8 10 12 14 22 30

Date Spring, 1976 Subtest Name Vocabulary

Age Group Senior Subtest Area Adjective & Adverbs

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13 21 25 28 32 33			6 17 19 20 26 31

Date Spring, 1976
Subtest Name Reading - Part A
Age Group Senior
Subtest Area Main Idea
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24	1	4	10
	7	13	19
	29	17	27
	34	31	37
		40	
		43	

Date Spring, 1976
Subtest Name Reading - Part A
Age Group Senior
Subtest Area Secondary Idea
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	2	3 42	25
32	5	6	
	9	11	
	15	14	
	20	16	
	28	18	
	30	26	
	33	35	
	39	36	
	44	41	

Date Spring, 1976

Subtest Name Reading - Part A

Age Group Senior

Subtest Area Action

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23	8	22	
38	21		
	45		

Date Spring, 1976

Subtest Name Reading - Part B

Age Group Senior

Subtest Area Nouns

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
35	2 43	1	9
44	4 45	5	16
	7	6	24
	14	11	
	17	12	
	25	15	
	27	19	
	29	20	
	30	32	
	40	37	

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Senior
Subtest Area Verbs
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
38	28	3	
	33	31	
	36	47	
	42		

Date Spring, 1976
Subtest Name Reading - Part B
Age Group Senior
Subtest Area Adjectives & Adverbs
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
48	10	22	8
	13	41	18
	21		
	23		
	26		
	34		
	39		
	46		

Date Spring, 1976

Age Group Senior

Test Level Primary II

Subtest Name Word Study - Part A

Subtest Area Initial Consonant Cluste

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		8	1
		9	2

Date Spring, 1976

Age Group Senior

Test Level Primary II

Subtest Name Word Study - Part A

Subtest Area Final Consonant Cluster

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	27	3	4
		5	29
		6	
		7	
		10	

Date Spring, 1976
Subtest Name Word Study Skills - Part A
Age Group Senior
Subtest Area Final Vowel Cluster
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	24	12 22	11
		13 23	
		14 25	
		15 26	
		16 28	
		17 30	
		18	
		19	
		20	
		21	

Date Spring, 1976
Subtest Name Word Study - Part B
Age Group Senior
Subtest Area Multiple Choice
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
31 57	36 56	33	40
32 59	41 58	35	
34 60	43 61	38	
37 63	44 64	39	
42	47 65	62	
45	49		
46	50		
48	51		
53	52		
55	54		

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Counting
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	3	7	1
28	19	8	4
	30	9	5
	31	14	6
		15	11
		16	
		21	
		24	
		26	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Measurement
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	20	10	2
	27	13	
	29	25	

Date Spring, 1976

Age Group Senior

Test Level Primary II

Subtest Name Mathematics Concepts

Subtest Area Addition

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
18 34 35	17	23	

Date Spring, 1976

Age Group Senior

Test Level Primary II

Subtest Name Mathematics Concepts

Subtest Area Subtraction

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22			

Date Spring, 1976	Subtest Name Mathematics Computation
Age Group Senior	Subtest Area Addition
Test Level Primary II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24	9	8	1
33	16	22	2
	17		3
	18		4
	23		10
	28		14
	29		
	30		
	31		
	34		

Date Spring, 1976	Subtest Name Mathematics Computation
Age Group Senior	Subtest Area Subtraction
Test Level Primary II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	12	5	11
19	15	6	
20	25	7	
21	26		
27	32		

Date Spring, 1976

Subtest Name Mathematics Computation

Age Group Senior

Subtest Area Multiplication

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
37	35		
	36		

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Addition

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19			1
21			2

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Senior

Subtest Area Subtraction

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	28	5	3
24		6	4
27		7	
		8	

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Muliplication

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	10		9
	18		11
			14

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Subtraction & Addition

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	12		

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Counting Money

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	23 25	22	

Date Spring, 1976

Subtest Name Mathematics Applications

Age Group Senior

Subtest Area Measurement

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	26		

Date Spring, 1976

Subtest Name Spelling

Age Group Senior

Subtest Area

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%		
5			1	14	32
10			2	16	33
15			3	17	34
19			4	18	35
22			6	20	36
23			7	21	37
24			8	26	39
25			9	27	40
29			11	28	41
38			12	30	42
43			13	31	

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area History

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	4 8 12 20		1 9

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Government

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6			2 14

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Economics

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	3 7 10		

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Geography

Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25 27	15 16 17 21 23 26		5 18 19 22 24

Date Spring, 1976
Subtest Name Science
Age Group Senior
Subtest Area Biology
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25	3		1
	4		5
	8		14
	10		18
	12		20
1	15		24
	21		
	26		

Date Spring, 1976
Subtest Name Science
Age Group Senior
Subtest Area Chemistry
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27	7		2
	16		19
			22

Date Spring, 1976
Subtest Name Science
Age Group Senior
Subtest Area Physics
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6 13	11 17 23		9

Date Spring, 1976
Subtest Name Listening Comprehension
Age Group Senior
Subtest Area
Test Level Primary II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 35 9 36 14 37 17 39 19 43 20 44 27 45 29 30 32			1 13 40 2 15 41 3 16 42 5 18 6 21 - 26 7 28 8 31 46-50 10 33 11 34 12 38

Date Spring, 1976

Subtest Name Vocabulary

Age Group Senior

Subtest Area Nouns

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	14 27 32 45		2 6 8 9 11 12 13 17 18 20 35 36 42

Date Spring, 1976

Subtest Name Vocabulary

Age Group Senior

Subtest Area Verbs

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	22 29 30 31		1 7 15 19 21 25

Date Spring, 1976

Subtest Name Vocabulary

Age Group Senior

Subtest Area Adjectives & Adverbs

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	4 26 38 39 41 43		3 5 10 16 23 24 28 33 40 44

Date Spring, 1976

Subtest Name Reading Comprehension

Age Group Senior

Subtest Area

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
4 5 32 48 51 62 67 70	29 33 45 47 61 63 66 69	1 49 8 50 9 52 13 53 15 55 - 59 17 20 26 37 - 41 46	2 19 42 3 21-25 43 6 27 44 7 28 54 10 30 60 11 31 64 12 34 65 14 35 68 16 36 18 42

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Word Study - Part A

Subtest Area Beginning Sounds

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2	1 8 9 11 12	3 6 7	4 5 10

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Word Study Skills - Part B

Subtest Area Ending Sounds

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15 16 17 19 21 22	13 18	20	14

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Word Study Skills-PartC

Subtest Area Medial Sounds

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No children took this test			

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Mathematics Concepts

Subtest Area Counting

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14 25	28	3 5 7 12 16 27	1 4 6 8 18 20 26 31

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Addition
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	11	2	15 32

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Multiplication
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24		23	9 21

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Senior

Subtest Area Measurement

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19 29	30	17	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Senior

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19 22			

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Senior
Subtest Area Addition
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		3	1 2 4 5

Date Spring, 1976
Subtest Name Mathematics Computation-Part A
Age Group Senior
Subtest Area Subtraction
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		9	6 7 8 10

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Mathematics Computation Part A

Subtest Area Multiplication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	13 15	17 19 20 22	11

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Mathematics Computation Part A

Subtest Area Division

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	18	14 16 21 24	23

Date Spring, 1976

Subtest Name Mathematics Computation-Part B

Age Group Senior

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		29	25
			26

Date Spring, 1976

Subtest Name Mathematics Computation - Part B

Age Group Senior

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	28		27
			30

Date Spring, 1976	Subtest Name Mathematics Computation - Part B
Age Group Senior	Subtest Area Division
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	31	34	

Date Spring, 1976	Subtest Name Mathematics Computation Part B
Age Group Senior	Subtest Area Multiplication
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			32 33 35 36

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Subtraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		8 17	1 5 9 10 20 22

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Addition

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	24	2 28	4

Date Spring, 1976
Age Group Senior
Test Level Primary III
Subtest Name Mathematics Application
Subtest Area Addition & Subtraction

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	26	23	

Date Spring, 1976
Age Group Senior
Test Level Primary III
Subtest Name Mathematics Application
Subtest Area Multiplication

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11	14 18 19 21 27	3 12

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Senior
Subtest Area Counting
Test Level Counting

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		6 7	

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Senior
Subtest Area Division
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			13

Date Spring, 1976
Subtest Name Mathematics Applications
Age Group Senior
Subtest Area Measurement
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15		25	
16			

Date Spring, 1976
Subtest Name Spelling
Age Group Senior
Subtest Area Spelling
Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
17	4 23 39		1 22
30	5 25 40		2 24
38	6 26 45		3 28
42	8 27 46		7 33
43	13 29		9 37
44	14 31		10 41
	15 32		11 47
	18 34		12
	20 35		16
	21 36		19

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Language - Part A

Subtest Area Capitalization

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1	8		4
17	18		9
	31		10
			14
			29

Date Spring, 1976

Age Group Senior

Test Level Primary III

Subtest Name Language - Part A

Subtest Area Punctuation

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7	2	3	34
	6		
	12		
	15		
	16		

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Complete Sentence

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	5		

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Contraction

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	22 25		11 23 30

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Partsof Speech

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	13		21

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Tense

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
36	20 24 28 32 35		19 26 27 33 37 38

Date Spring, 1976

Subtest Name Language - Part B

Age Group Senior

Subtest Area Verb

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	45 46 47		39 44

Date Spring, 1976

Subtest Name Language - Part B

Age Group Senior

Subtest Area Noun

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	40		42

Date Spring, 1976

Subtest Name Language - Part B

Age Group Senior

Subtest Area Connection

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			41 48

Date Spring, 1976

Subtest Name Language - Part B

Age Group Senior

Subtest Area Adjectives

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			43

Date Spring, 1976

Subtest Name Language - Part B

Age Group Senior

Subtest Area Phrases

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		50 51 52 54	53 55

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Geography

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	1 36		6 40 9 41 11 42 16 20 32 33 34 35 39

Date Spring, 1976

Subtest Name Social Science

Age Group Seniors

Subtest Area History

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7 18 38 43		2 4 10 13 15 17

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Government

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
44	23		3 5 8 12 14 21 31 37

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Economics

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	30		19 22 24 25 26 27 28 29

Date Spring, 1976

Subtest Name Science

Age Group Senior

Subtest Area Biology

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
14 27 28	4 13 17 29 32		3 40 5 6 9 10 15 18 19 20 35

Date Spring, 1976	Subtest Name Science
Age Group Senior	Subtest Area Astronomy
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
41			1 11 12

Date Spring, 1976	Subtest Name Science
Age Group Senior	Subtest Area Physics
Test Level Primary III	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	7 16 26 37 23		2 25 39 24

Date Spring, 1976

Subtest Name Science

Age Group Senior

Subtest Area Chemistry

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
42	21		8
	33		20
	36		34
			38

Date Spring, 1976

Subtest Name Listening Comprehension

Age Group Senior

Subtest Area

Test Level Primary III

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10	2 25		1 27 50
19	3 26		4 29
30	6 28		5 31
32	8 34		7 33
39	9 35		11 37
46	15 36		12 38
	16 40		13 41
	20 43		14 42
	21 48		17 44
	22 49		18 45
	24		23 47

Date Spring, 1976

Subtest Name Vocabulary

Age Group Senior

Subtest Area Nouns

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
31	36	6	4
42	48	17	9
45	49	25	14
		29	19
		38	39
			40
			41

Date Spring, 1976

Subtest Name Vocabulary

Age Group Senior

Subtest Area Verbs

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	28	2	1
	34	8	5
	46	11	12
		16	33
		18	
		20	
		21	
		23	
		30	
		35	
		37	

DateSpring, 1976
Subtest Name Vocabulary
Age Group Senior
Subtest Area Adjectives & Adverbs
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27	44	15	3
50		22	7
		26	10
		32	13
		47	24
			43

Date Spring, 1976
Subtest Name Reading Comprehension
Age Group Senior
Subtest Area
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
22 60	14	16	1 - 13 44
26	35	25	15 49
27	41	29	17 - 21 50
28	45	31	23 51
39	46	32	24
47	52	42	30
48	59	43	33
53		54 - 56	34
57			36 - 38
58			40

Date Spring, 1976

Subtest Name Word Study Skills-Part A

Age Group Senior

Subtest Area Phonetic Analysis

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6	2	1	25
16	5	3	
17	7	4	
20	8	9	
24	12	10	
	13	11	
	18	14	
	19	15	
	21		
	22		
	23		

Date Spring, 1976

Subtest Name Word Study Skills - Part B

Age Group Senior

Subtest Area Structural Analysis

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
43	29 52	26	28
45	33	27	31
52	36	30	
53	38	32	
54	39	34	
55	40	35	
	41	37	
	42	46	
	44	48	
	47	49	
	50	51	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Counting
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	22 31	3 8	4

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Addition
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7 28	6	9 11 12 25	1 2

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Senior

Subtest Area Multiplication

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26	16		

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Senior

Subtest Area Subtraction

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
23	27	10	

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Senior

Subtest Area Measurement

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	13	14	
	21	15	
	29	24	
	32		

Date Spring, 1976

Subtest Name Mathematics Concepts

Age Group Senior

Subtest Area Fraction

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	19	17	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Division
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
30		18	

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Senior
Subtest Area Addition
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	17		1 2

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Senior
Subtest Area Multiplication
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15	5	14	
	6		
	7		
	12		
	16		

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Senior
Subtest Area Division
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
11	18	9	8
			10

Date Spring, 1976

Age Group Senior

Test Level Intermediate I

Subtest Name Mathematics Computation Part A

Subtest Area Subtraction

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13		3 4	

Date Spring, 1976

Age Group Senior

Test Level Intermediate I

Subtest Name Mathematics Computation Part B

Subtest Area Addition

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		19 36 38	21 22

Date Spring, 1976

Subtest Name Mathematics Computation Part B

Age Group Senior

Subtest Area Multiplication

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
33 35	34	20 23 40	28

Date Spring, 1976

Subtest Name Mathematics Computation Part B

Age Group Senior

Subtest Area Division

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	30 32	26 27 31 39	

Date Spring, 1976
Subtest Name Mathematics
Age Group Senior
Subtest Area Subtraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	37	25 29	24

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Senior
Subtest Area Addition
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
17	31 36	8 12 21 22 32 34 39	1 2 4 6 7 9

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Senior
Subtest Area Subtraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
20	18	10 14	19 24 29 38

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Senior
Subtest Area Multiplication
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
35	3	28 33	

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Division

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	5	16	
	11	25	
	23	26	
		27	
		30	
		37	
		40	

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Measurement

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
		13	15

Date **Spring, 1976**

Age Group **Senior**

Test Level **Intermediate I**

Subtest Name **Spelling - Part A**

Subtest Area **Misspelled Words in Phrases**

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	2 5 8	3 4 6 7	1

Date **Spring, 1976**

Age Group **Senior**

Test Level **Intermediate I**

Subtest Name **Spelling - Part B**

Subtest Area **Misspelled Words in Phrases**

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24 29 31 32 40 42 46 47	11 41 13 49 14 44 18 21 22 23 25 30 33	12 45 15 16 17 19 26 34 - 39 43 48 50	9 10 20 27 28

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Capitalization

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
29		8	12
		17	19
		30	21
			31

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Punctuation

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
3	1	5	
6		10	
9			
20			

Date Spring, 1976
Subtest Name Language - Part A
Age Group Senior
Subtest Area Contraction
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
24		23	

Date Spring, 1976
Subtest Name Language - Part A
Age Group Senior
Subtest Area Parts of Speech
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
32		7 26 37 40 41 42	33 35 36

Date **Spring, 1976**

Subtest Name **Language - Part A**

Age Group **Senior**

Subtest Area **Tense**

Test Level **Intermediate I**

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	4 14 34	2 11 15 18 22 27 28	13 16 25 38 39

Date **Spring, 1976**

Subtest Name **Language - Part B**

Age Group **Senior**

Subtest Area

Test Level **Intermediate I**

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
48	43	44 45 46 47	

Date Spring, 1976

Subtest Name Language - Part C

Age Group Senior

Subtest Area Completion of Sentences

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
56 66 67	51 61 68	54 55 57 58 59 62 63 69	49 50 52 53 60 64 65

Date Spring, 1976

Subtest Name Language - Part D

Age Group Senior

Subtest Area Which Answer Fits the Question Best

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	74 79	72 73 78	70 71 75 76 77

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Geography

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	9	4	42
	38	10	43
	39	12	44
	40	15	45
	41	16	48
	47	17	
		22	
		27	

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area History

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26	25	7	
32	29	21	
34	37	24	
36			

Date Spring, 1976
Subtest Name Social Science
Age Group Senior
Subtest Area Government
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
28	6	2	54
35	51	11	
	52	30	
	53		

Date Spring, 1976
Subtest Name Social Science
Age Group Senior
Subtest Area Economics
Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	3	1	50
20	14	5	55
	19	8	56
	33	18	57
	46	23	58
	60	31	59

Date Spring, 1976

Subtest Name Science

Age Group Senior

Subtest Area Biology

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
45	12		1 53
54	19		6 55
57	30		7
59	35		10
60	51		14
			34
			39
			43
			44
			46

Date Spring, 1976

Subtest Name Science

Age Group Senior

Subtest Area Astronomy

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	11		47
	17		
	32		

Date Spring, 1976

Subtest Name Science

Age Group Senior

Subtest Area Physics

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
	38		50
	49		56

Date Spring, 1976

Subtest Name Science

Age Group Senior

Subtest Area Chemistry

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%	
21	5		3	26
48	15		4	28
	23		8	31
	27		9	33
	29		13	40
	36		16	41
	37		18	42
	52		22	
	58		24	
			25	

Date Spring, 1976

Subtest Name Science

Age Group Senior

Subtest Area Matters

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
			2 20

Date Spring, 1976

Subtest Name Listening Comprehension

Age Group Senior

Subtest Area

Test Level Intermediate I

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No one took this subtest			

Date Spring, 1976

Subtest Name Vocabulary

Age Group Senior

Subtest Area Nouns

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976

Subtest Name Vocabulary

Age Group Senior

Subtest Area Verbs

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test			

Date Spring, 1976
Subtest Name Vocabulary
Age Group Senior
Subtest Area Adjectives & Adverbs
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976
Subtest Name Reading Comprehension
Age Group Senior
Subtest Area
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%			Fair 26 - 50%			Moderate 51 - 75%		Good 76 - 100%
5	41	57	2	34	69	1	28	11
19	43	60	3	35	70	4	30	15
21	44	61	14	42		6	32	37
22	46	62	16	45		7	39	
24	48	63	17	47		8	40	
27	49	64	18	54		9	50	
29	51	65	q 20	55		10		
31	52	67	23	58		12		
36	53	68	26	59		13		
38	56	71	33	66		25		

Date Spring, 1976

Subtest Name Word Study Skills Part A

Age Group Senior

Subtest Area Phonetic Analysis

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%		Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2	16	3	1	
4	18	11	10	
5	19	14	17	
6	20	21		
7	22	24		
8	23			
9	25			
12				
13				
15				

Date Spring, 1976

Subtest Name Word Study Skills Part B

Age Group Senior

Subtest Area Structural Analysis

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%		Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
26	40	29	38	
27	43	30		
28	46	33		
31	47	41		
32	48	42		
34	49	44		
35	50	45		
36				
37				
39				

Date Spring, 1976
Subtest Name Mathematic Concepts
Age Group Senior
Subtest Area Counting
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1	9		
5	12		
27	17		
34			
35			

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Addition
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2	6		
34	14		

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Multiplication
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13 25 31	7		

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Subtraction
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
15		3	

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Measurement
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
8	4		16
11	26		
18	28		
21			
29			
30			
32			
34			

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Fraction
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
19		24	
20			
22			
23			

Date Spring, 1976
Subtest Name Mathematics Concepts
Age Group Senior
Subtest Area Division
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
10			

Date Spring, 1976
Subtest Name Mathematics Computation Part A
Age Group Senior
Subtest Area Addition
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
7	1	2	
16	3		

Date Spring, 1976

Subtest Name Mathematics Computation Part A

Age Group Senior

Subtest Area Multiplication

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
6	13		
8	21		
9			
14			
15			
20			
23			

Date Spring, 1976

Subtest Name Mathematics Computation Part A

Age Group Senior

Subtest Area Subtraction

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	4		
24			

Date Spring, 1976

Subtest Name Mathematics Computations Part A

Age Group Senior

Subtest Area Division

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
12	10		
19	11		
22	17		
	18		

Date Spring, 1976

Subtest Name Mathematics Computation Part A

Age Group Senior

Subtest Area Addition

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
34	26		
42	32		

Date Spring, 1976

Subtest Name Mathematics Computation Part B

Age Group Senior

Subtest Area Multiplication

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
25	36	35	
42	40		
	41		

Date Spring, 1976

Subtest Name Mathematics Computation Part B

Age Group Senior

Subtest Area Subtraction

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27		37	
39		33	

Date Spring, 1976
Subtest Name Mathematics Computation Part B
Age Group Senior
Subtest Area Division
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
30	28		
43	29		
44	31		
	38		

Date Spring, 1976
Subtest Name Mathematics Application
Age Group Senior
Subtest Area Addition
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
13	30		18
22			26

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Subtraction

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
5	6		
21	8		
25	14		
29	15		
36	34		

Date Spring, 1976

Subtest Name Mathematics Application

Age Group Senior

Subtest Area Multiplication

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
1	12	3	
16	17		
19			
23			

Date Spring, 1976 **Subtest Name** Mathematics Application

Age Group Senior **Subtest Area** Division

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
2 4 7 9 11 20 31 32 33 35 37 38 40	10	24	

Date Spring, 1976 **Subtest Name** Mathematics Application

Age Group Senior **Subtest Area** Measurement

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
27 28 39			

Date Spring, 1976
Subtest Name Spelling - Part A
Age Group Senior
Subtest Area Find Misspelled Words
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test			

Date Spring, 1976
Subtest Name Spelling - Part B
Age Group Senior
Subtest Area Mispelled Words
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Capitalization

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976

Subtest Name Language - Part A

Age Group Senior

Subtest Area Punctuation

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976 **Subtest Name** Language - Part A

Age Group Senior **Subtest Area** Contraction

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test			

Date Spring, 1976 **Subtest Name** Language - Part A

Age Group Senior **Subtest Area** Parts of Speech

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976
Subtest Name Language - Part A
Age Group Senior
Subtest Area Tense
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976
Subtest Name Language - Part B
Age Group Senior
Subtest Area Completing Sentences With Phrases
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976
Subtest Name Language - Part C
Age Group Senior
Subtest Area Completion of Sentences
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976
Subtest Name Language - Part D
Age Group Senior
Subtest Area Which Answer Fits Sentence Best
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Geography

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No student took this test.			

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area History

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Government

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976

Subtest Name Social Science

Age Group Senior

Subtest Area Economics

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976	Subtest Name Science
Age Group Senior	Subtest Area Biology
Test Level Intermediate II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976	Subtest Name Science
Age Group Senior	Subtest Area Astronomy
Test Level Intermediate II	

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976
Subtest Name Science
Age Group Senior
Subtest Area Physics
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976
Subtest Name Science
Age Group Senior
Subtest Area Chemistry
Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date Spring, 1976

Subtest Name Listening Comprehension

Age Group Senior

Subtest Area Measuring the Ability to Comprehend Spoken Material

Test Level Intermediate II

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%
No students took this test.			

Date

Subtest Name

Age Group

Subtest Area

Test Level

Items Which Fell Into Various Performance Levels

Poor 0 - 25%	Fair 26 - 50%	Moderate 51 - 75%	Good 76 - 100%

APPENDIX M

SPRING, 1975

TEACHER EVALUATION FORM

MONTGOMERY
COUNTY
INTERMEDIATE
UNIT
SPECIAL EDUCATION CENTER • 1605-B WEST MAIN ST. • NORRISTOWN, PA. 19401 • 215-539-8550

1974-1975 Testing Program for District-Run Classes for Educable Mentally Retarded

**

Teacher's Feedback Form (Spring, 1975)

Name: ______________________________

District: ______________________________

Please help us to improve our testing services for the coming school year by providing us with constructive criticism. Feel free to use the reverse side if necessary.

1. What comments and suggestions for change would you offer relative to:

   a. Communication of Intermediate Unit Staff with EMR teachers

   b. Mailing of results

   c. Subtest listing of scores

   d. Explanation of results at time of feedback or later in year

   e. Test Materials

f. General directions for administering the tests

2. Do you have any other comments or suggestions?

THANK YOU FOR YOUR COOPERATION!

APPENDIX N

SELECTED RESPONSES OF DISTRICT STAFF TO 1974-1975 EVALUATION FORM

1. What comments and suggestions for change would you offer relative to:

   a. Communication of Intermediate Unit Staff with EMR teachers

   "Intermediate Unit staff should visit districts they don't actually service to keep EMR teachers informed on current programs and materials offered by the Intermediate Unit."

   "Sometimes scheduling of testing is difficult to get in by due date. Better communication would solve this."

   "Excellent - your staff was particularly accomodating and responsive."

   "Good - however, tests should be with teachers for at least six weeks for high schools because of scheduling periods to accomodate testing."

   "More communication needed".

1. What comments and suggestions for change would you offer relative to:

   b. Mailing of results

   "Results should be mailed directly to the teachers administering the tests."

   "The Instructional staff in general felt comfortable with the arrangement."

   "Very good"

1. What comments and suggestions for change would you offer relative to:

   c. Subtest listing of scores

   "Results should be interpreted to improve teacher understanding"

   "The arrival of the test results varied, consequently some of the staff felt that more rapid responses would be helpful."

   "Adequate"

1. What comments and suggestions for change would you offer relative to:

   d. Explanation of results at time of feedback or later in the year?

   "The feedback should be helpful in determining the teachers strong subject areas."

   "Results should be explained at time of feedback in order that plans may be drawn to improve areas scored inappropriately high or low."

   "At the time of feedback."

   "Explanation of the results at the time of feedback seemed to the staff most useful."

   "Perhaps we could have a seminar at the end of the year which would explain the results, etc."

   "Initially confusing, but I think we understand the method of reporting growth."

   "Would appreciate further explanation of results."

1. What comments and suggestions for change would you offer relative to:

e. Test Materials

"Excellent choice since there is no achievement test specifically designed for EMR students - this test meets the need."

"Shouldn't they be short diagnostic tests. Students became frustrated with three days of testing."

"The reading subtest of the standardized test is not appropriate if the children are only in pre-primer and primers. Usually the vocabulary that the children learn is atypical of that reading series. Until they get into the hardback readers (1st grade level) their vocabulary is limited to what the publishers wanted to present. Therefore, the reading vocabulary and reading sentences from the standardized test don't really test how well they can read, unless they have passed the pre-primer and primer levels."

"It is at least a standardized test. A second meeting in September 1975 in Norristown would be helpful for possible regrading of levels to be administered."

"Many of the test questions are written in such a way that they insult high school students (i.e. Bobby wants a wagon). The questions are frequently written in such an obscure manner, that the kid cannot understand what he is to do. The tests are dull and boring, no matter how we try to enliven the test sessions. The tests take much too long to administer. So much has to be done individually, a huge chunk of class time was missed. Also I'm curious about the validity and reliability of the tests."

1. What comments and suggestions for change would you offer relative to:

    f. General directions for administering the tests

    "Students in my class felt poorly about being given tests again. We did these before-type attitude."

    " A second copy of instructions would be most helpful - this would allow two teachers to test separately at the same time - particularly helpful in a tight schedule."

    "Very good"

2. Do you have any other comments or suggestions?

"We are very anxious to have the program continue since it gives us good base line data in working with parents and staff alike."

"Is the test the most appropriate device for use with mentally retarded students?"

"Hope we will get these results soon enough for our own individual comparisons. Also, information on other results (other school districts) and your conclusions, thoughts, etc."

"I would prefer to administer the tests at the very beginning of the school year in September and at the end of the year in May. Results could be sent to people in the summer if need be."

"Tests be diagnostic and be completed with only one day of testing."